

→ All files  
to Auto (due to X X X's - too low of %)

GenCore version 5.1.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:15:19 ; Search time 35 Seconds  
(without alignments)  
41.879 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : A\_Geneseq\_101002.\*  
1: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1980.DAT.\*  
2: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1981.DAT.\*  
3: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1982.DAT.\*  
4: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1983.DAT.\*  
5: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1984.DAT.\*  
6: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1985.DAT.\*  
7: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1986.DAT.\*  
8: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1987.DAT.\*  
9: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1988.DAT.\*  
10: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1989.DAT.\*  
11: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1990.DAT.\*  
12: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1991.DAT.\*  
13: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1992.DAT.\*  
14: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1993.DAT.\*  
15: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1994.DAT.\*  
16: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1995.DAT.\*  
17: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1996.DAT.\*  
18: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1997.DAT.\*  
19: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1998.DAT.\*  
20: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1999.DAT.\*  
21: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2000.DAT.\*  
22: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2001.DAT.\*  
23: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2002.DAT.\*

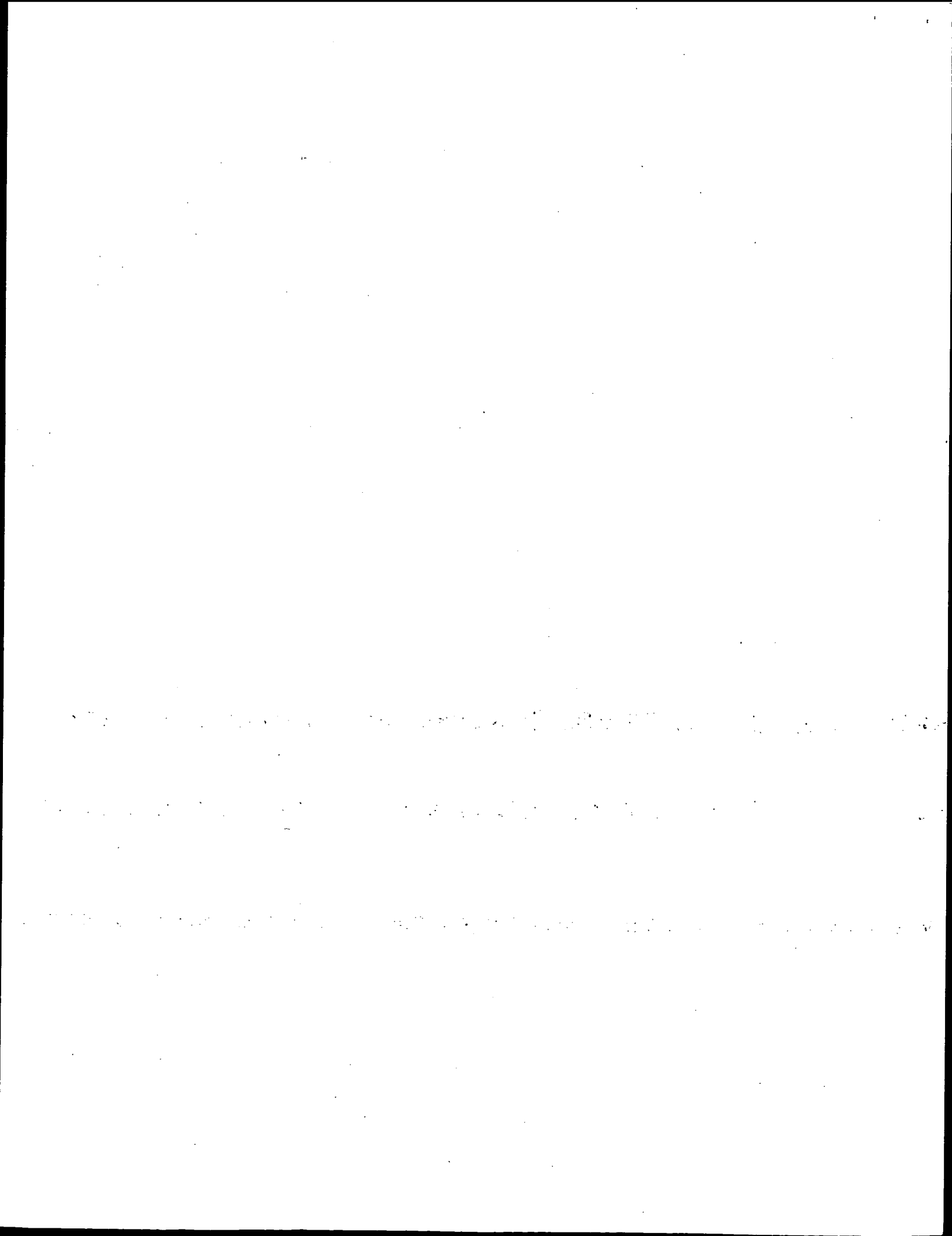
Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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No matches found

Search completed: May 29, 2003, 09:20:35  
Job time : 35 secs





GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:19:59 ; Search time 26 Seconds  
(without alignments)  
12.448 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : Issued Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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No matches found

Search completed: May 29, 2003, 09:22:24  
Job time : 26 secs



GenCore version 5.1.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:21:35 ; Search time 45 seconds  
(without alignments)  
24.744 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxxx ll

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 383519 seqs, 101223694 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

- Database : Published\_Applications\_AA:\*
- 1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*
  - 2: /cgn2\_6/ptodata/2/pubpaa/FCT\_NEW\_PUB.pep:\*
  - 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*
  - 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*
  - 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*
  - 6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*
  - 7: /cgn2\_6/ptodata/2/pubpaa/FCTUS\_PUBCOMB.pep:\*
  - 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*
  - 9: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:\*
  - 10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*
  - 11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*
  - 12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*
  - 13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*
  - 14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	DB ID	Description
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No matches found

Search completed: May 29, 2003, 09:30:06  
Job time : 45 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:20:40 : Search time 306 Seconds  
(without alignments)  
23.177 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxxx ll

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : Pending\_Patents\_AA\_Main.\*  
1: /cgn2\_6/ptodata/1/paa/PCTUS\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/paa/US06\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/paa/US07\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/paa/US080\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/paa/US081\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/paa/US082\_COMB.pep.\*  
7: /cgn2\_6/ptodata/1/paa/US083\_COMB.pep.\*  
8: /cgn2\_6/ptodata/1/paa/US084\_COMB.pep.\*  
9: /cgn2\_6/ptodata/1/paa/US085\_COMB.pep.\*  
10: /cgn2\_6/ptodata/1/paa/US086\_COMB.pep.\*  
11: /cgn2\_6/ptodata/1/paa/US087\_COMB.pep.\*  
12: /cgn2\_6/ptodata/1/paa/US088\_COMB.pep.\*  
13: /cgn2\_6/ptodata/1/paa/US089\_COMB.pep.\*  
14: /cgn2\_6/ptodata/1/paa/US090\_COMB.pep.\*  
15: /cgn2\_6/ptodata/1/paa/US091\_COMB.pep.\*  
16: /cgn2\_6/ptodata/1/paa/US092\_COMB.pep.\*  
17: /cgn2\_6/ptodata/1/paa/US093\_COMB.pep.\*  
18: /cgn2\_6/ptodata/1/paa/US094\_COMB.pep.\*  
19: /cgn2\_6/ptodata/1/paa/US095\_COMB.pep.\*  
20: /cgn2\_6/ptodata/1/paa/US096\_COMB.pep.\*  
21: /cgn2\_6/ptodata/1/paa/US097\_COMB.pep.\*  
22: /cgn2\_6/ptodata/1/paa/US098\_COMB.pep.\*  
23: /cgn2\_6/ptodata/1/paa/US099\_COMB.pep.\*  
24: /cgn2\_6/ptodata/1/paa/US100\_COMB.pep.\*  
25: /cgn2\_6/ptodata/1/paa/US101\_COMB.pep.\*  
26: /cgn2\_6/ptodata/1/paa/US102\_COMB.pep.\*  
27: /cgn2\_6/ptodata/1/paa/US60\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Query Score	Match Length	DB ID	Description
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No matches found

Search completed: May 29, 2003, 09:27:38  
Job time : 306 secs



GenCore version 5.1.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:21:00 ; Search time 88 Seconds  
(without alignments)  
25.875 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 995812 seqs, 207002235 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : Pending\_Patents\_AA\_New:\*  
1: /cgn2\_6/ptodata/2/paa/PCT\_NEW\_COMB.pep:\*  
2: /cgn2\_6/ptodata/2/paa/US06\_NEW\_COMB.pep:\*  
3: /cgn2\_6/ptodata/2/paa/US07\_NEW\_COMB.pep:\*  
4: /cgn2\_6/ptodata/2/paa/US08\_NEW\_COMB.pep:\*  
5: /cgn2\_6/ptodata/2/paa/US09\_NEW\_COMB.pep:\*  
6: /cgn2\_6/ptodata/2/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/ptodata/2/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
-----						

No matches found

Search completed: May 29, 2003, 09:29:14  
Job time : 88 secs





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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:19:09 ; Search time 16 Seconds  
(without alignments)  
56.092 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 283224 seqs, 96134422 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : PIR\_73:\*  
1: pir1:\*  
2: pir2:\*  
3: pir3:\*  
4: pir4:\*

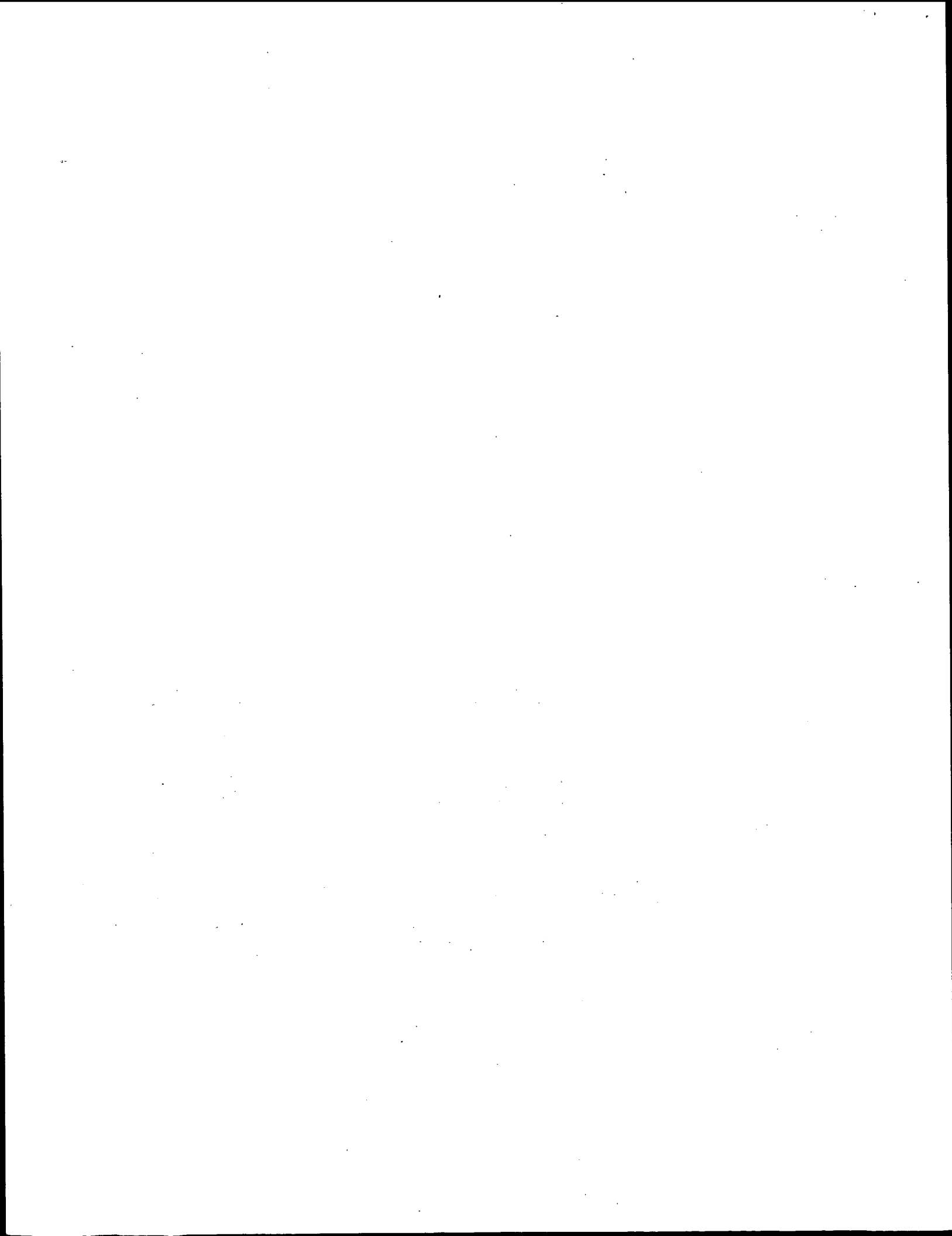
Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result	Query				
No.	Score	Match	Length	DB	ID
Description					

No matches found

Search completed: May 29, 2003, 09:21:50  
Job time : 16 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:15:54 ; Search time 11 Seconds  
(without alignments)  
41.476 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 112892 seqs, 41476328 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : SwissProt\_40:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
-----						

No matches found

Search completed: May 29, 2003, 09:20:52  
Job time : 11 secs



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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:18:04 ; Search time 29 Seconds  
(without alignments)  
78.156 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpvxxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 671580 seqs, 206047115 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : SPTREMBL\_21:\*  
1: sp\_archaea:\*  
2: sp\_bacteria:\*  
3: sp\_fungi:\*  
4: sp\_human:\*  
5: sp\_invertebrate:\*  
6: sp\_mammal:\*  
7: sp\_mhc:\*  
8: sp\_organelle:\*  
9: sp\_phage:\*  
10: sp\_plant:\*  
11: sp\_rodent:\*  
12: sp\_virus:\*  
13: sp\_vertebrate:\*  
14: sp\_unclassified:\*  
15: sp\_rvirus:\*  
16: sp\_bacteriap:\*  
17: sp\_archaeap:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
-----						
No matches found						

Search completed: May 29, 2003, 09:21:28  
Job time : 29 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 11:13:02 ; Search time 34 Seconds  
(without alignments)  
43.110 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62dx  
Gapop 10.0 , Gapext 0.5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 200 summaries

Database : A\_Geneseq\_101002.\*

- 1: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1980.DAT.\*  
2: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1981.DAT.\*  
3: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1982.DAT.\*  
4: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1983.DAT.\*  
5: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1984.DAT.\*  
6: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1985.DAT.\*  
7: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1986.DAT.\*  
8: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1987.DAT.\*  
9: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1988.DAT.\*  
10: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1989.DAT.\*  
11: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1990.DAT.\*  
12: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1991.DAT.\*  
13: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1992.DAT.\*  
14: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1993.DAT.\*  
15: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1994.DAT.\*  
16: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1995.DAT.\*  
17: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1996.DAT.\*  
18: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1997.DAT.\*  
19: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1998.DAT.\*  
20: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1999.DAT.\*  
21: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2000.DAT.\*  
22: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2001.DAT.\*  
23: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2002.DAT.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	31	100.0	11	23	ABB80521
2	31	100.0	11	23	ABB80522
3	31	100.0	11	23	ABB80523
4	31	100.0	11	23	ABB80524
5	31	100.0	11	23	ABB80525
6	31	100.0	11	23	ABB80526
7	31	100.0	11	23	ABB80527
8	31	100.0	11	23	ABB80528
9	31	100.0	11	23	ABB80529
10	31	100.0	11	23	ABB80530

LENGTH

11	100.0	11	23	ABB80531	Hepatitis C virus
12	100.0	11	23	ABB80532	Hepatitis C virus
13	100.0	11	23	ABB80533	Hepatitis C virus
14	100.0	11	23	ABB80534	Hepatitis C virus
15	100.0	11	23	ABB80535	Hepatitis C virus
16	100.0	11	23	ABB80536	Hepatitis C virus
17	100.0	11	23	ABB80537	Hepatitis C virus
18	100.0	11	23	ABB80538	Hepatitis C virus
19	100.0	11	23	ABB80539	Hepatitis C virus
20	100.0	11	23	ABB80540	Hepatitis C virus
21	100.0	11	23	ABB80541	Hepatitis C virus
22	100.0	11	23	ABB80542	Hepatitis C virus
23	100.0	11	23	ABB80543	Hepatitis C virus
24	100.0	11	23	ABB80544	Hepatitis C virus
25	100.0	11	23	ABB80545	Hepatitis C virus
26	100.0	11	23	ABB80546	Hepatitis C virus
27	100.0	11	23	ABB80547	Hepatitis C virus
28	100.0	11	23	ABB80548	Hepatitis C virus
29	100.0	11	23	ABB80549	Hepatitis C virus
30	100.0	11	23	ABB80550	Hepatitis C virus
31	100.0	11	23	ABB80551	Hepatitis C virus
32	100.0	11	23	ABB80552	Hepatitis C virus
33	100.0	11	23	ABB80553	Hepatitis C virus
34	100.0	11	23	ABB80554	Hepatitis C virus
35	100.0	11	23	ABB80555	Hepatitis C virus
36	100.0	11	23	ABB80556	Hepatitis C virus
37	100.0	11	23	ABB80557	Hepatitis C virus
38	100.0	11	23	ABB80558	Hepatitis C virus
39	100.0	11	23	ABB80559	Hepatitis C virus
40	100.0	11	23	ABB80560	Hepatitis C virus
41	100.0	11	23	ABB80561	Hepatitis C virus
42	100.0	11	23	ABB80562	Hepatitis C virus
43	100.0	11	23	ABB80563	Hepatitis C virus
44	100.0	11	23	ABB80564	Hepatitis C virus
45	100.0	11	23	ABB80565	Hepatitis C virus
46	100.0	11	23	ABB80566	Hepatitis C virus
47	100.0	11	23	ABB80567	Hepatitis C virus
48	100.0	11	23	ABB80568	Hepatitis C virus

ALIGNMENTS

RESULT 1

ABB80521  
ID ABB80521 standard; peptide; 11 AA.  
XX ABB80521;

AC ABB80521;  
DT 08-OCT-2002 (first entry)  
XX

DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #1.  
XX

KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX

OS Synthetic.  
XX

FH Key Location/Qualifiers  
FT Modified-site 1  
FT Modified-site 6

FT /note= "N-terminal acetyl"  
FT Modified-site 11  
FT /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"

FT /note= "C-terminal amide"  
PN WO200208251-A2.  
XX

PD 31-JAN-2002.  
XX

XX 19-JUL-2001; 2001WO-US23169.  
PF  
XX

ONLY APP.

CAME UP

48

HITS

PR 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
PS Claim 17; Page 64; 69pp; English.  
XX  
CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db | | | | | : : : : :  
1 EEVVPXGMSYS 11  
RESULT 2  
ABB80522  
ID ABB80522 standard; peptide; 11 AA.  
AC ABB80522;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #2.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 9 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX  
PN WO200208251-A2.  
XX  
PD 31-JAN-2002.  
XX  
PF 19-JUL-2001; 2001WO-US23169.  
XX  
PR 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX

APP.

PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
PS Claim 17; Page 64; 69pp; English.  
XX  
CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db | | | | | : : : : :  
1 EEVVPXGMSYS 11  
RESULT 3  
ABB80523  
ID ABB80523 standard; peptide; 11 AA.  
XX  
AC ABB80523;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #3.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 9 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX  
PN WO200208251-A2.  
XX  
PD 31-JAN-2002.  
XX  
PF 19-JUL-2001; 2001WO-US23169.  
XX  
PR 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
PS Claim 17; Page 64; 69pp; English.  
XX  
CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the



CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 DB 1 EEVVPXGMHYS 11

RESULT 4  
 ABB80524  
 ID ABB80524 standard; peptide; 11 AA.  
 XX AC ABB80524;  
 XX DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #4.  
 XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX OS Synthetic.

XX Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 9 /note= "D-form residue"  
 FT Modified-site 11 /note= "C-terminal amide"  
 FT WO200208251-A2.  
 XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 FT virus protease -

XX Claim 17; Page 64; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 DB 1 EEVVPXGMDYS 11

RESULT 5  
 ABB80525  
 ID ABB80525 standard; peptide; 11 AA.  
 XX AC ABB80525;  
 XX DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #5.  
 XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX OS Synthetic.

XX Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8 /note= "D-form residue"  
 FT Modified-site 11 /note= "C-terminal amide"  
 FT WO200208251-A2.  
 XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 FT virus protease -

XX Claim 17; Page 64; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 DB 1 EEVVPXGMSYS 11

## RESULT 6

ABB80526  
ID ABB80526 standard; peptide; 11 AA.  
XX  
AC ABB80526;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #6.  
DE  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 8 /note= "D-form residue"  
FT Misc-difference 9 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
FT  
FT  
XX WO200208251-A2.  
PN  
XX 31-JAN-2002.  
PD  
XX 19-JUL-2001; 2001WO-US23169.  
XX  
PF 21-JUL-2000; 2000US-220101P.  
PR  
XX (CORV-) CORVAS INT INC.  
XX  
PI Lim-wilby M, Levy OE, Brunck TK;  
XX  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
PS Claim 17; Page 64; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

Db 1 EEVFXGMSYS 11

## RESULT 7

ABB80527  
ID ABB80527 standard; peptide; 11 AA.  
XX  
AC ABB80527;

XX

DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #7.

XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.

XX Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6

FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"

FT Misc-difference 8 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

FT  
FT  
XX WO200208251-A2.

PN  
XX 31-JAN-2002.

PD  
XX 19-JUL-2001; 2001WO-US23169.

XX  
PF 21-JUL-2000; 2000US-220101P.

PR  
XX (CORV-) CORVAS INT INC.

XX  
PI Lim-wilby M, Levy OE, Brunck TK;

XX  
XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
PS Claim 17; Page 64; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

Db 1 EEVFXGMSYS 11

## RESULT 8

ABB80528  
ID ABB80528 standard; peptide; 11 AA.

XX  
AC ABB80528;

XX  
DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #8.

XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX



XX 19-JUL-2001; 2001WO-US23169.  
 XX 21-JUL-2000; 2000US-220101P.  
 XX (CORV-) CORVAS INT INC.  
 XX Lim-wilby M, Levy OE, Brunck TK;  
 XX WPI; 2002-361643/39.  
 XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease  
 XX  
 PS Claim 17; Page 64; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX Sequence 11 AA;  
 CC  
 CC Query Match 100.0%; Score 31; DB 23; Length 11;  
 CC Best Local Similarity 54.5%; Pred. No. 54;  
 CC Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 DB 1 EEVVPXGGSYS 11  
 XX  
 XX RESULT 11  
 XX ABB80531  
 XX ID ABB80531 standard; peptide; 11 AA.  
 XX AC ABB80531;  
 XX DT 08-OCT-2002 (first entry)  
 XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #11.  
 XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 XX KW virucide.  
 XX OS Synthetic.  
 XX FH Key Location/Qualifiers  
 XX FT Modified-site 1 /note= "N-terminal acetyl"  
 XX FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 XX FT Modified-site 11 residue 7"  
 XX FT Modified-site 11 /note= "C-terminal amide"  
 XX WO200208251-A2.  
 XX 31-JAN-2002.  
 XX 19-JUL-2001; 2001WO-US23169.  
 XX 21-JUL-2000; 2000US-220101P.  
 XX (CORV-) CORVAS INT INC.  
 XX Lim-wilby M, Levy OE, Brunck TK;  
 XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease  
 XX  
 PS Claim 17; Page 64; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX Sequence 11 AA;  
 CC  
 CC Query Match 100.0%; Score 31; DB 23; Length 11;  
 CC Best Local Similarity 54.5%; Pred. No. 54;  
 CC Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 DB 1 EEVVPXGGSYS 11  
 XX  
 XX RESULT 12  
 XX ABB80532  
 XX ID ABB80532 standard; peptide; 11 AA.  
 XX AC ABB80532;  
 XX DT 08-OCT-2002 (first entry)  
 XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #12.  
 XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 XX KW virucide.  
 XX OS Synthetic.  
 XX FH Key Location/Qualifiers  
 XX FT Modified-site 1 /note= "N-terminal acetyl"  
 XX FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 XX FT Modified-site 9 residue 7"  
 XX FT Misc-difference 9 /note= "D-form residue"  
 XX FT Modified-site 11 /note= "C-terminal amide"  
 XX WO200208251-A2.  
 XX 31-JAN-2002.  
 XX 19-JUL-2001; 2001WO-US23169.  
 XX 21-JUL-2000; 2000US-220101P.  
 XX (CORV-) CORVAS INT INC.  
 XX Lim-wilby M, Levy OE, Brunck TK;  
 XX WPI; 2002-361643/39.  
 XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease  
 XX  
 PS Claim 17; Page 64; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having

CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 1 EEVVPXGGHYS 11

## RESULT 13

ABB80533  
 ID ABB80533 standard; peptide; 11 AA.

XX  
 AC ABB80533;

DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #13.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.

XX Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 residue 7"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease

XX Claim 17; Page 64; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 1 EEVVPXGGDYS 11

## RESULT 14

ABB80534  
 ID ABB80534 standard; peptide; 11 AA.

XX  
 AC ABB80534;

DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #14.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.

XX Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 residue 7"

FT Misc-difference 9 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease

XX Claim 17; Page 64; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:|:~|:~|:  
 Db 1 EEVVPXGGDYS 11

RESULT 15  
ABB80535  
ID ABB80535 standard; peptide; 11 AA.  
XX AC ABB80535;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #15.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
XX FT Modified-site 1 /note= "N-terminal acetyl"  
XX FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
XX FT Modified-site 11 residue 7"  
XX FT /note= "C-terminal amide"  
XX PN WO200208251-A2.  
XX PD 31-JAN-2002.  
XX PF 19-JUL-2001; 2001WO-US23169.  
XX PR 21-JUL-2000; 2000US-220101P.  
XX PA (CORV-) CORVAS INT INC.  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX DR WPI; 2002-361643/39.  
XX CC Novel peptide compound having hepatitis C virus protease inhibitory  
XX PT activity useful for treating disorders associated with hepatitis C  
XX PT virus protease -  
XX PS Claim 17; Page 64; 69pp; English.  
XX CC The sequence represents a peptide compound of the invention having  
XX CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX CC invention are alpha-ketoamide peptide analogues. The peptides have  
XX CC virucide activity, and are useful for treating and in the manufacture of  
XX CC a medicament to treat disorders associated with HCV protease. A  
XX CC pharmaceutical composition comprising the peptide as an active ingredient  
XX CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
DB 1 EEVVPXGQSYS 11  
RESULT 16  
ABB80536  
ID ABB80536 standard; peptide; 11 AA.  
XX AC ABB80536;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #16.  
XX

KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
XX FT Modified-site 1 /note= "N-terminal acetyl"  
XX FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
XX FT Modified-site 11 residue 7"  
XX FT /note= "D-form residue"  
XX FT /note= "C-terminal amide"  
XX PN WO200208251-A2.  
XX PD 31-JAN-2002.  
XX PF 19-JUL-2001; 2001WO-US23169.  
XX PR 21-JUL-2000; 2000US-220101P.  
XX PA (CORV-) CORVAS INT INC.  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX DR WPI; 2002-361643/39.  
XX CC Novel peptide compound having hepatitis C virus protease inhibitory  
XX PT activity useful for treating disorders associated with hepatitis C  
XX PT virus protease -  
XX PS Claim 17; Page 64; 69pp; English.  
XX CC The sequence represents a peptide compound of the invention having  
XX CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX CC invention are alpha-ketoamide peptide analogues. The peptides have  
XX CC virucide activity, and are useful for treating and in the manufacture of  
XX CC a medicament to treat disorders associated with HCV protease. A  
XX CC pharmaceutical composition comprising the peptide as an active ingredient  
XX CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
DB 1 EEVVPXGQSYS 11  
RESULT 17  
ABB80537  
ID ABB80537 standard; peptide; 11 AA.  
XX AC ABB80537;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #17.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
XX FT Modified-site 1 /note= "N-terminal acetyl"  
XX FT



PA (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease -  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
|||||:  
Db 1 EEVVPXGQSYS 11  
|||||:  
RESULT 20  
ABB80540  
ID ABB80540 standard; peptide; 11 AA.  
XX AC ABB80540;  
XX DT 08-OCT-2002 (first entry)  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #20.  
DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
XX Key Location/Qualifiers  
FH Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT Modified-site 11  
FT Misc-difference 8 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 9 /note= "D-form residue"  
FT Misc-difference 9 /note= "D-form residue"  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
FT  
FT WO200208251-A2.  
XX PN  
XX 31-JAN-2002.  
XX PD  
XX 19-JUL-2001; 2001WO-US23169.  
XX PF  
XX 21-JUL-2000; 2000US-220101P.  
XX PR  
XX (CORV-) CORVAS INT INC.  
XX PA  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX

PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease -  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
|||||:  
Db 1 EEVVPXGQSYS 11  
|||||:  
RESULT 21  
ABB80541  
ID ABB80541 standard; peptide; 11 AA.  
XX AC ABB80541;  
XX DT 08-OCT-2002 (first entry)  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #21.  
DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
XX Key Location/Qualifiers  
FH Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT Modified-site 11  
FT Misc-difference 8 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 8 /note= "D-form residue"  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
FT  
FT WO200208251-A2.  
XX PN  
XX 31-JAN-2002.  
XX PD  
XX 19-JUL-2001; 2001WO-US23169.  
XX PF  
XX 21-JUL-2000; 2000US-220101P.  
XX PR  
XX (CORV-) CORVAS INT INC.  
XX PA  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease -  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the



CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 1 EEVVPXGQHYs 11

## RESULT 22

ABB80542  
ID ABB80542 standard; peptide; 11 AA.

XX AC ABB80542;

XX DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #22.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.

XX Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"

FT Misc-difference 8 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

FT WO200208251-A2.

XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory

XX activity useful for treating disorders associated with hepatitis C

XX virus protease

XX Claim 17; Page 65; 69pp; English.

XX The sequence represents a peptide compound of the invention having

XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the

XX invention are alpha-ketoamide peptide analogues. The peptides have

XX virucide activity, and are useful for treating and in the manufacture of

XX a medicament to treat disorders associated with HCV protease. A

XX pharmaceutical composition comprising the peptide as an active ingredient

XX is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:~|:~|:~|:  
Db 1 EEVVPXGQDYS 11

## RESULT 23

ABB80543  
ID ABB80543 standard; peptide; 11 AA.

XX AC ABB80543;

XX DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #23.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.

XX Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"

FT Misc-difference 8 /note= "D-form residue"

FT Misc-difference 9 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

FT WO200208251-A2.

XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory

XX activity useful for treating disorders associated with hepatitis C

XX virus protease

XX Claim 17; Page 65; 69pp; English.

XX The sequence represents a peptide compound of the invention having

XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the

XX invention are alpha-ketoamide peptide analogues. The peptides have

XX virucide activity, and are useful for treating and in the manufacture of

XX a medicament to treat disorders associated with HCV protease. A

XX pharmaceutical composition comprising the peptide as an active ingredient

XX is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:~|:~|:~|:  
SQ Sequence 11 AA;

Db 1 EEVVPXGQDYS 11

RESULT 24  
ABB80544  
ID ABB80544 standard; peptide; 11 AA.  
XX  
AC ABB80544;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #24.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX  
OS virucide.  
XX  
XX Synthetic.  
FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT Modified-site 11 residue 7"  
FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. NO. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
|||||:;  
Db 1 EEVVPXGTSYS 11

RESULT 25  
ABB80545  
ID ABB80545 standard; peptide; 11 AA.  
XX  
AC ABB80545;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #26.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX  
OS virucide.  
XX  
XX Synthetic.

Db 1 EEVVPXGQDYS 11

RESULT 26  
ABB80546  
ID ABB80546 standard; peptide; 11 AA.  
XX  
AC ABB80546;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #26.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX  
OS virucide.  
XX  
XX Synthetic.

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #25.  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX Synthetic.  
XX Key Location/Qualifiers  
XX Modified-site 1 /note= "N-terminal acetyl"  
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
XX Modified-site 11 residue 7"  
XX /note= "D-form residue"  
XX /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. NO. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
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Db 1 EEVVPXGTSYS 11

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FH Key Modified-site Location/Qualifiers
FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT Modified-site 11 residue 7"
FT Modified-site 11 /note= "C-terminal amide"
XX
XX WO200208251-A2.
XX
XX 31-JAN-2002.
XX
XX 19-JUL-2001; 2001WO-US23169.
XX
XX 21-JUL-2000; 2000US-220101P.
XX
XX (CORV-) CORVAS INT INC.
XX
XX Lim-wilby M, Levy OE, Brunck TK;
XX
XX WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
XX activity useful for treating disorders associated with hepatitis C
XX virus protease
XX
XX Claim 17; Page 65; 69pp; English.
XX
XX The sequence represents a peptide compound of the invention having
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
XX invention are alpha-ketoamide peptide analogues. The peptides have
XX virucide activity, and are useful for treating and in the manufacture of
XX a medicament to treat disorders associated with HCV protease. A
XX pharmaceutical composition comprising the peptide as an active ingredient
XX is useful for treating disorders associated with hepatitis C virus.
XX
XX Sequence 11 AA;
XX
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 EEVVPXXXXXX 11
XX |||||:
XX Db 1 EEVVPXGTHYS 11
XX
XX RESULT 27
XX ABB80547
XX ID ABB80547 standard; peptide; 11 AA.
XX
XX AC ABB80547;
XX
XX 08-OCT-2002 (first entry)
XX
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #27.
XX
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX
XX Synthetic.
XX
XX Key Location/Qualifiers
XX Modified-site 1 /note= "N-terminal acetyl"
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
XX Modified-site 11 residue 7"
XX
XX Misc-difference 9 /note= "D-form residue"
XX Modified-site 11 /note= "C-terminal amide"
XX
XX WO200208251-A2.
XX
XX 31-JAN-2002.
XX
XX 19-JUL-2001; 2001WO-US23169.
XX
XX 21-JUL-2000; 2000US-220101P.
XX
XX (CORV-) CORVAS INT INC.
XX
XX PN

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XX
XX 31-JAN-2002.
XX
XX 19-JUL-2001; 2001WO-US23169.
XX
XX 21-JUL-2000; 2000US-220101P.
XX
XX (CORV-) CORVAS INT INC.
XX
XX Lim-wilby M, Levy OE, Brunck TK;
XX
XX WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
XX activity useful for treating disorders associated with hepatitis C
XX virus protease
XX
XX Claim 17; Page 65; 69pp; English.
XX
XX The sequence represents a peptide compound of the invention having
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
XX invention are alpha-ketoamide peptide analogues. The peptides have
XX virucide activity, and are useful for treating and in the manufacture of
XX a medicament to treat disorders associated with HCV protease. A
XX pharmaceutical composition comprising the peptide as an active ingredient
XX is useful for treating disorders associated with hepatitis C virus.
XX
XX Sequence 11 AA;
XX
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 EEVVPXXXXXX 11
XX |||||:
XX Db 1 EEVVPXGTHYS 11
XX
XX RESULT 28
XX ABB80548
XX ID ABB80548 standard; peptide; 11 AA.
XX
XX AC ABB80548;
XX
XX 08-OCT-2002 (first entry)
XX
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #28.
XX
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX
XX Synthetic.
XX
XX Key Location/Qualifiers
XX Modified-site 1 /note= "N-terminal acetyl"
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
XX Modified-site 11 residue 7"
XX
XX Misc-difference 9 /note= "D-form residue"
XX Modified-site 11 /note= "C-terminal amide"
XX
XX WO200208251-A2.
XX
XX 31-JAN-2002.
XX
XX 19-JUL-2001; 2001WO-US23169.
XX
XX 21-JUL-2000; 2000US-220101P.
XX
XX (CORV-) CORVAS INT INC.
XX
XX PN

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XX PI Lim-wilby M, Levy OE, Brunck TK;  
 XX DR WPI; 2002-361643/39.  
 XX DR  
 XX PT Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease  
 XX  
 XX PS Claim 17; Page 65; 69pp; English.  
 XX CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db |||||:  
 1 EEVVPXGTDYS 11  
 RESULT 29  
 ABB80549  
 ID ABB80549 standard; peptide; 11 AA.  
 XX AC ABB80549;  
 XX DT 08-OCT-2002 (first entry)  
 XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #29.  
 XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX OS Synthetic.  
 XX FH Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 9 /note= "D-form residue"  
 FT Modified-site 11 /note= "C-terminal amide"  
 XX WO200208251-A2.  
 XX 31-JAN-2002.  
 XX 19-JUL-2001; 2001WO-US23169.  
 XX 21-JUL-2000; 2000US-220101P.  
 XX (CORV-) CORVAS INT INC.  
 XX Lim-wilby M, Levy OE, Brunck TK;  
 XX WPI; 2002-361643/39.  
 XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease

XX PS Claim 17; Page 65; 69pp; English.  
 XX CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db |||||:  
 1 EEVVPXGSSYS 11  
 RESULT 30  
 ABB80550  
 ID ABB80550 standard; peptide; 11 AA.  
 XX AC ABB80550;  
 XX DT 08-OCT-2002 (first entry)  
 XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #30.  
 XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX OS Synthetic.  
 XX FH Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 9 /note= "D-form residue"  
 FT Modified-site 11 /note= "C-terminal amide"  
 XX WO200208251-A2.  
 XX 31-JAN-2002.  
 XX 19-JUL-2001; 2001WO-US23169.  
 XX 21-JUL-2000; 2000US-220101P.  
 XX (CORV-) CORVAS INT INC.  
 XX Lim-wilby M, Levy OE, Brunck TK;  
 XX WPI; 2002-361643/39.  
 XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease  
 XX  
 XX PS Claim 17; Page 65; 69pp; English.  
 XX CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A

CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 1 EEVVPXGSHYS 11

RESULT 31  
ABB80551  
ID ABB80551 standard; peptide; 11 AA.

XX ABB80551;

XX 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #31.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.

XX Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"

FT Misc-difference 9 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease

XX Claim 17; Page 65; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 1 EEVVPXGSDYS 11

RESULT 32  
ABB80552  
ID ABB80552 standard; peptide; 11 AA.

XX ABB80552;

XX 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #32.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.

XX Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"

FT Misc-difference 8 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease

XX Claim 17; Page 65; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:~|:|:|:  
Db 1 EEVVPXGSSYS 11

RESULT 33  
ABB80553

ID XX ABB0553 standard; peptide; 11 AA.  
AC ABB0553;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #33.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 1  
FT Modified-site 6 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 8  
FT Misc-difference 9 /note= "D-form residue"  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
XX  
XX 31-JAN-2002.  
XX  
XX 19-JUL-2001; 2001WO-US23169.  
XX  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 1 EEVVPXGSSYS 11  
RESULT 34  
ABB0554  
ID ABB0554 standard; peptide; 11 AA.  
XX  
AC ABB0554;  
XX  
DT 08-OCT-2002 (first entry)  
XX

DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #34.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT Misc-difference 8 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
XX  
XX 31-JAN-2002.  
XX  
XX 19-JUL-2001; 2001WO-US23169.  
XX  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 1 EEVVPXGSHYS 11  
RESULT 35  
ABB0555  
ID ABB0555 standard; peptide; 11 AA.  
XX  
AC ABB0555;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #35.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers

```

FT Modified-site 1 /note= "N-terminal acetyl"
FT FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT FT /note= "residue 7"
FT FT Misc-difference 8 /note= "D-form residue"
FT FT Misc-difference 9 /note= "D-form residue"
FT FT Modified-site 11 /note= "C-terminal amide"
FT FT WO200208251-A2.
FT PN 31-JAN-2002.
FT PD 19-JUL-2001; 2001WO-US23169.
FT PF 21-JUL-2000; 2000US-220101P.
FT PR (CORV-) CORVAS INT INC.
FT PA Lim-wilby M, Levy OE, Brunck TK;
FT PI WPI; 2002-361643/39.
FT DR Novel peptide compound having hepatitis C virus protease inhibitory
FT FT activity useful for treating disorders associated with hepatitis C
FT PT virus protease
FT PT Claim 17; Page 65; 69pp; English.
FT PS The sequence represents a peptide compound of the invention having
FT CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
FT CC invention are alpha-ketoamide peptide analogues. The peptides have
FT CC virucide activity, and are useful for treating and in the manufacture of
FT CC a medicament to treat disorders associated with HCV protease. A
FT CC pharmaceutical composition comprising the peptide as an active ingredient
FT CC is useful for treating disorders associated with hepatitis C virus.
FT SQ Sequence 11 AA;
FT Query Match 100.0%; Score 31; DB 23; Length 11;
FT Best Local Similarity 54.5%; Pred. No. 54;
FT Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
FT QY 1 EEVVPXXXXXX 11
FT DB |||||:::
FT 1 EEVVPXGSHYS 11
FT
FT RESULT 36
FT ABB80556
FT ID ABB80556 standard; peptide; 11 AA.
FT XX ABB80556;
FT AC 08-OCT-2002 (first entry)
FT XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #36.
FT DT Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
FT DE virucide.
FT XX Synthetic.
FT FT Key Location/Qualifiers
FT FT Modified-site 1 /note= "N-terminal acetyl"
FT FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT FT residue 7"
FT FT Misc-difference 8
FT FT /note= "D-form residue"
FT FT Misc-difference 9
FT FT /note= "D-form residue"
FT FT Modified-site 11
FT FT /note= "C-terminal amide"
FT XX WO200208251-A2.
FT PN
FT XX

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FT Modified-site 11 /note= "D-form residue"
FT FT /note= "C-terminal amide"
FT XX WO200208251-A2.
FT PN 31-JAN-2002.
FT PD 19-JUL-2001; 2001WO-US23169.
FT PF 21-JUL-2000; 2000US-220101P.
FT PR (CORV-) CORVAS INT INC.
FT XX Lim-wilby M, Levy OE, Brunck TK;
FT PI WPI; 2002-361643/39.
FT DR Novel peptide compound having hepatitis C virus protease inhibitory
FT FT activity useful for treating disorders associated with hepatitis C
FT PT virus protease
FT PT Claim 17; Page 65; 69pp; English.
FT PS The sequence represents a peptide compound of the invention having
FT CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
FT CC invention are alpha-ketoamide peptide analogues. The peptides have
FT CC virucide activity, and are useful for treating and in the manufacture of
FT CC a medicament to treat disorders associated with HCV protease. A
FT CC pharmaceutical composition comprising the peptide as an active ingredient
FT CC is useful for treating disorders associated with hepatitis C virus.
FT SQ Sequence 11 AA;
FT Query Match 100.0%; Score 31; DB 23; Length 11;
FT Best Local Similarity 54.5%; Pred. No. 54;
FT Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
FT QY 1 EEVVPXXXXXX 11
FT DB |||||:::
FT 1 EEVVPXGSDYS 11
FT
FT RESULT 37
FT ABB80557
FT ID ABB80557 standard; peptide; 11 AA.
FT XX ABB80557;
FT AC 08-OCT-2002 (first entry)
FT DT Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #37.
FT DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
FT KW virucide.
FT XX Synthetic.
FT FT Key Location/Qualifiers
FT FT Modified-site 1 /note= "N-terminal acetyl"
FT FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT FT residue 7"
FT FT Misc-difference 8
FT FT /note= "D-form residue"
FT FT Misc-difference 9
FT FT /note= "D-form residue"
FT FT Modified-site 11
FT FT /note= "C-terminal amide"
FT XX WO200208251-A2.
FT PN
FT XX

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PD 31-JAN-2002.  
 XX  
 PF 19-JUL-2001; 2001WO-US23169.  
 XX  
 PR 21-JUL-2000; 2000US-220101P.  
 XX  
 PA (CORV-) CORVAS INT INC.  
 XX  
 PI Lim-wilby M, Levy OE, Brunck TK;  
 XX  
 DR WPI; 2002-361643/39.  
 XX  
 PT Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease -  
 XX  
 PS Claim 17; Page 65; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 |||||:::  
 Db 1 EEVVPXGSDYS 11  
 RESULT 38  
 ABB80558  
 ID ABB80558 standard; peptide; 11 AA.  
 XX  
 AC ABB80558;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX  
 DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #38.  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX  
 OS Synthetic.  
 XX  
 FH Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8 /note= "D-form residue"  
 FT Modified-site 8 /note= "Oxymethionine"  
 FT Modified-site 11 /note= "C-terminal amide"  
 FT Modified-site 8  
 FT Modified-site 11  
 PN WO200208251-A2.  
 XX  
 PD 31-JAN-2002.  
 XX  
 PF 19-JUL-2001; 2001WO-US23169.  
 XX  
 PR 21-JUL-2000; 2000US-220101P.  
 XX  
 PA (CORV-) CORVAS INT INC.  
 XX

PI Lim-wilby M, Levy OE, Brunck TK;  
 XX  
 DR WPI; 2002-361643/39.  
 XX  
 PT Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease -  
 XX  
 PS Claim 17; Page 65; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 |||||:::  
 Db 1 EEVVPXGMHYS 11  
 RESULT 39  
 ABB80559  
 ID ABB80559 standard; peptide; 11 AA.  
 XX  
 AC ABB80559;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX  
 DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #39.  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX  
 OS Synthetic.  
 XX  
 FH Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8 /note= "D-form residue"  
 FT Modified-site 8 /note= "Oxymethionine"  
 FT Modified-site 11 /note= "C-terminal amide"  
 FT Modified-site 8  
 FT Modified-site 11  
 PN WO200208251-A2.  
 XX  
 PD 31-JAN-2002.  
 XX  
 PF 19-JUL-2001; 2001WO-US23169.  
 XX  
 PR 21-JUL-2000; 2000US-220101P.  
 XX  
 PA (CORV-) CORVAS INT INC.  
 XX  
 PI Lim-wilby M, Levy OE, Brunck TK;  
 XX  
 DR WPI; 2002-361643/39.  
 XX  
 PT Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C





CC is useful for treating disorders associated with hepatitis C virus.  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 1 EEVVPXGMDYS 11

RESULT 42  
ABB80562  
ID ABB80562 standard; peptide; 11 AA.  
XX AC ABB80562;  
XX 08-OCT-2002 (first entry)  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #42.  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
XX Key Location/Qualifiers  
FH Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "D-form residue"  
FT Misc-difference 8 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Modified-site 8 /note= "D-form residue"  
FT Misc-difference 9 /note= "Oxymethionine"  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 1 EEVVPXGMDYS 11

RESULT 43  
ABB80563  
ID ABB80563 standard; peptide; 11 AA.  
XX AC ABB80563;  
XX 08-OCT-2002 (first entry)  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #43.  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
XX Key Location/Qualifiers  
FH Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Valyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:~|:~|:  
Db 1 EEVVPXGMSYS 11

RESULT 44

KW	virucide.
XX	
OS	Synthetic.
XX	
XX	
FH	Key Location/Qualifiers
FT	Modified-site 1 /note= "N-terminal acetyl"
FT	Modified-site 6 /note= "Norleucyl carbonyl forming keto-amide linkage with residue 7"
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FT	Modified-site 11 /note= "C-terminal amide"
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PN	WO200208251-A2.
XX	
PD	31-JAN-2002.
XX	
Pf	19-JUL-2001; 2001WO-US23169.
XX	
PR	21-JUL-2000; 2000US-220101P.
XX	
PA	(CORV-) CORVAS INT INC.
XX	
FI	Lim-wilby M, Levy OE, Brunck TK;
XX	
DR	WPI; 2002-361643/39.
XX	
PT	Novel peptide compound having hepatitis C virus protease inhibitory activity useful for treating disorders associated with hepatitis C virus protease -
PT	
XX	
PS	Claim 17; Page 65; 69pp; English.
XX	
CC	The sequence represents a peptide compound of the invention having hepatitis C virus (HCV) protease inhibitory activity. The peptides of the invention are alpha-ketoamide peptide analogues. The peptides have virucide activity, and are useful for treating and in the manufacture of a medicament to treat disorders associated with HCV protease. A pharmaceutical composition comprising the peptide as an active ingredient is useful for treating disorders associated with hepatitis C virus.
XX	
SQ	Sequence 11 AA;
	Query Match 100.0%; Score 31; DB 23; Length 11;
	Best Local Similarity 54.5%; Pred. No. 54;
	Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
Qy	1 EEVVPXXXXX 11      :::
Dd	1 EEVVPXGMSYS 11
	RESULT 46
	ABB80566
ID	ABB80566 standard; peptide; 11 AA.
XX	
AC	ABB80566;
XX	
DT	08-OCT-2002 (first entry)
XX	
DE	Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #46.
XX	
KW	Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide; virucide.
KW	
XX	
OS	Synthetic.
XX	
FH	Key Location/Qualifiers
FT	Modified-site 1 /note= "N-terminal acetyl"
FT	Modified-site 6 /note= "2-aminoisobutryl carbonyl residue forming a keto-amide linkage with residue 7"
FT	
FT	

FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db 1 EEVVPXGMSYS 11  
RESULT 47  
ABB80567  
ID ABB80567 standard; peptide; 11 AA.  
XX  
XX ABB80567;  
XX  
XX 08-OCT-2002 (first entry)  
XX  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #47.  
XX  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX  
XX Synthetic.  
XX  
XX Key Location/Qualifiers  
XX Modified-site 1 /note= "N-terminal acetyl"  
XX Modified-site 6 /note= "(s,s)allothreonyl carbonyl residue forming a  
XX Modified-site 11 keto-amide linkage with residue 7"  
XX /note= "C-terminal amide"  
XX  
XX WO200208251-A2.  
XX  
XX 31-JAN-2002.  
XX  
XX 19-JUL-2001; 2001WO-US23169.  
XX  
XX 21-JUL-2000; 2000US-220101P.  
XX

XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db 1 EEVVPXGMSYS 11  
RESULT 48  
ABB80568  
ID ABB80568 standard; peptide; 11 AA.  
XX  
XX ABB80568;  
XX  
XX 08-OCT-2002 (first entry)  
XX  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #48.  
XX  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX  
XX Synthetic.  
XX  
XX Key Location/Qualifiers  
XX Modified-site 1 /note= "N-terminal acetyl"  
XX Modified-site 6 /note= "Alpha-propionyl-glycyl-carbonyl residue forming  
XX Modified-site 11 a keto-amide linkage with residue 7"  
XX /note= "C-terminal amide"  
XX  
XX WO200208251-A2.  
XX  
XX 31-JAN-2002.  
XX  
XX 19-JUL-2001; 2001WO-US23169.  
XX  
XX 21-JUL-2000; 2000US-220101P.  
XX  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX

XX Claim 17; Page 65; 69pp; English.  
 PS  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.

SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 Db 1 EEVVPXGMSYS 11

Search completed: May 29, 2003, 11:20:16  
 Job time : 34 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 11:19:23 ; Search time 14 Seconds  
(without alignments)  
23.118 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 200 summaries

Database : Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
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No matches found

Search completed: May 29, 2003, 11:21:32  
Job time : 14 secs





GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 11:19:43 ; Search time 18 Seconds  
(without alignments)  
61.859 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 383519 seqs, 10123694 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 200 summaries

Database : Published\_Applications\_AA:  
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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep:\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*  
12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*  
13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result	Query	%	Score	Match	Length	ID	Description
--------	-------	---	-------	-------	--------	----	-------------

No matches found

Search completed: May 29, 2003, 11:21:56  
Job time : 18 secs



*Prod. Revu*

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2003, 11:19:02 ; Search time 14 Seconds  
(without alignments)  
75.534 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 283224 seqs, 96134422 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 200 summaries

Database : PIR\_73:\*  
1: p1r1:\*  
2: p1r2:\*  
3: p1r3:\*  
4: p1r4:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
---------------	-------	----------------	--------	----	-------------

No matches found

Search completed: May 29, 2003, 11:21:12  
Job time : 14 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2003, 11:12:22 ; Search time 11 Seconds  
(without alignments)  
41.476 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 112892 seqs, 41476328 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 200 summaries

Database : SwissProt\_40.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
-----						

No matches found

Search completed: May 29, 2003, 11:19:35  
Job time : 11 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2003, 11:13:47 ; Search time 28 Seconds  
(without alignments)  
80.947 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 671580 seqs, 206047115 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 200 summaries

Database : SPTREMBL\_21:.\*  
1: sp\_archaea:.\*  
2: sp\_bacteria:.\*  
3: sp\_fungi:.\*  
4: sp\_human:.\*  
5: sp\_invertebrate:.\*  
6: sp\_mammal:.\*  
7: sp\_mmc:.\*  
8: sp\_organelle:.\*  
9: sp\_phage:.\*  
10: sp\_plant:.\*  
11: sp\_rodent:.\*  
12: sp\_virus:.\*  
13: sp\_vertebrate:.\*  
14: sp\_unclassified:.\*  
15: sp\_rvirus:.\*  
16: sp\_bacteriap:.\*  
17: sp\_archaea:.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match Length	ID	Description
-----				

No matches found

Search completed: May 29, 2003, 11:20:50  
Job time : 28 secs





GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2003, 16:56:54 ; Search time 14 Seconds  
(without alignments)  
23.118 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpvxxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 17

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 600 summaries

Database : Issued\_Patents\_AA.\*  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/1/1aa/PTUS.COMB.pep.\*  
6: /cgn2\_6/ptodata/1/1aa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	31	100.0	115	4	US-09-134-001C-2914
2	31	100.0	121	4	US-09-152-060-68
3	31	100.0	121	4	US-09-152-060-85
4	31	100.0	122	2	US-08-879-995A-1
5	31	100.0	122	3	US-09-215-096-1
6	31	100.0	622	2	US-08-459-146-2
7	31	100.0	622	2	US-08-459-065-2
8	31	100.0	730	1	US-07-846-181-5
9	31	100.0	730	1	US-07-845-989-5
10	31	100.0	1528	1	US-08-463-092B-6
11	31	100.0	1528	2	US-08-462-109A-6
12	31	100.0	1528	2	US-08-460-907B-6
13	31	100.0	1528	3	US-08-463-179A-6
14	31	100.0	1528	3	US-08-461-384B-6
15	31	100.0	2594	4	US-08-718-388-7
16	31	100.0	2639	4	US-09-080-983-3
17	31	100.0	5405	4	US-08-718-388-9

ALIGNMENTS

RESULT 1  
US-09-134-001C-2914  
; Sequence 2914, Application US/09134001C  
; Patent No. 6380370  
; GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
; FILE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: GTC-007  
; CURRENT APPLICATION NUMBER: US/09/134,001C  
; PRIOR FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/064,964  
; PRIOR FILING DATE: 1997-11-08  
; PRIOR APPLICATION NUMBER: US 60/055,779  
; PRIOR FILING DATE: 1997-08-14  
; NUMBER OF SEQ ID NOS: 5674  
; SEQ ID NO 2914  
; LENGTH: 115  
; TYPE: PRT  
; ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-2914

Query Match 100.0%; Score 31; DB 4; Length 115;  
Best Local Similarity 45.5%; Pred. No. 2.4e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPVXXXXXX 11  
| | | | | : : : : :  
Db 17 EEVVPVYVVDL 27

RESULT 2

US-09-152-060-68  
; Sequence 68, Application US/09152060  
; Patent No. 6448230  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 28 Human Secreted Proteins  
; FILE REFERENCE: P2003P1.US  
; CURRENT APPLICATION NUMBER: US/09/152,060  
; CURRENT FILING DATE: 1998-09-11  
; EARLIER APPLICATION NUMBER: PCT/US98/04858  
; EARLIER FILING DATE: 1998-03-12  
; EARLIER APPLICATION NUMBER: 60/040,762  
; EARLIER FILING DATE: 1997-03-14  
; EARLIER APPLICATION NUMBER: 60/040,710  
; EARLIER FILING DATE: 1997-03-14  
; EARLIER APPLICATION NUMBER: 60/050,934  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,100  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,357  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,189  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/057,765  
; EARLIER FILING DATE: 1997-09-05  
; EARLIER APPLICATION NUMBER: 60/048,970  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/068,368  
; EARLIER FILING DATE: 1997-12-19  
; NUMBER OF SEQ ID NOS: 118  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 68  
; LENGTH: 121  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-152-060-68

Query Match 100.0%; Score 31; DB 4; Length 121;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPVXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPVGGGRSK 38

## RESULT 3

US-09-152-060-85  
; Sequence 85, Application US/09152060  
; Patent No. 6448230  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 28 Human Secreted Proteins  
; FILE REFERENCE: P2003P1.US  
; CURRENT APPLICATION NUMBER: US/09/152,060  
; CURRENT FILING DATE: 1998-09-11  
; EARLIER APPLICATION NUMBER: PCT/US98/04858  
; EARLIER FILING DATE: 1998-03-12  
; EARLIER APPLICATION NUMBER: 60/040,762  
; EARLIER FILING DATE: 1997-03-14  
; EARLIER APPLICATION NUMBER: 60/040,710  
; EARLIER FILING DATE: 1997-03-14  
; EARLIER APPLICATION NUMBER: 60/050,934  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,100  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,357  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,189  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/057,765  
; EARLIER FILING DATE: 1997-09-05  
; EARLIER APPLICATION NUMBER: 60/048,970  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/068,368  
; EARLIER FILING DATE: 1997-12-19  
; NUMBER OF SEQ ID NOS: 118  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 85  
; LENGTH: 121  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (67)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (89)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-152-060-85

Query Match 100.0%; Score 31; DB 4; Length 121;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

## RESULT 4

US-08-879-995A-1  
; Sequence 1, Application US/08879995A  
; Patent No. 5985606  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Kaser, Matthew R.  
; TITLE OF INVENTION: HUMAN PREPROTACHYKININ B  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/879,995A  
FILING DATE: Herewith  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0326 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: BRAITUT03  
CLONE: 2109906  
US-08-879-995A-1

Query Match 100.0%; Score 31; DB 2; Length 122;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

## RESULT 5

US-09-215-096-1  
; Sequence 1, Application US/09215096  
; Patent No. 6008194  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Kaser, Matthew R.  
; TITLE OF INVENTION: HUMAN PREPROTACHYKININ B  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/215,096  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/879,995  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0326 US  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 122 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: BRAITUT03  
 CLONE: 2109906  
 US-09-215-096-1

Query Match 100.0%; Score 31; DB 3; Length 122;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:  
 Db 28 EEVVPGGGRSK 38

RESULT 6  
 US-08-459-146-2  
 ; Sequence 2, Application US/08459146  
 ; Patent No. 5866405  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Choi, Gil Ho  
 ; APPLICANT: Nuss, Donald Lee  
 ; TITLE OF INVENTION: Genetically Engineered Transmissible  
 ; TITLE OF INVENTION: Hypovirulence  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: George M. Gould, Esq., Hoffmann-La Roche Inc.  
 ; STREET: 340 Kingsland Street  
 ; CITY: Nutley  
 ; STATE: New Jersey  
 ; COUNTRY: U.S.A.  
 ; ZIP: 07110  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/459,146  
 ; FILING DATE: 02-JUN-1995  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/832,117  
 ; FILING DATE: 06-FEB-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Roseman, Catherine R  
 ; REGISTRATION NUMBER: 34,240  
 ; REFERENCE/DOCKET NUMBER: 8589  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (201) 235-6208  
 ; TELEFAX: (201) 235-3500  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 622 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; HYPOTHETICAL: NO  
 ; ORIGINAL SOURCE:  
 ; ORGANISM: Endothia parasitica (Cryptonectria  
 ; ORGANISM: parasitica)  
 ; STRAIN: EP713  
 ; US-08-459-146-2

Query Match 100.0%; Score 31; DB 2; Length 622;

Best Local Similarity 45.5%; Pred. No. 1.5e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:  
 Db 31 EEVVPAGCITL 41

RESULT 7  
 US-08-459-065-2  
 ; Sequence 2, Application US/08459065  
 ; Patent No. 5882642  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Choi, Gil Ho  
 ; APPLICANT: Nuss, Donald Lee  
 ; TITLE OF INVENTION: Genetically Engineered Transmissible  
 ; TITLE OF INVENTION: Hypovirulence  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: George M. Gould, Esq., Hoffmann-La Roche Inc.  
 ; STREET: 340 Kingsland Street  
 ; CITY: Nutley  
 ; STATE: New Jersey  
 ; COUNTRY: U.S.A.  
 ; ZIP: 07110  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/459,065  
 ; FILING DATE: 02-JUN-1995  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/832,117  
 ; FILING DATE: 06-FEB-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Roseman, Catherine R  
 ; REGISTRATION NUMBER: 34,240  
 ; REFERENCE/DOCKET NUMBER: 8589  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (201) 235-6208  
 ; TELEFAX: (201) 235-3500  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 622 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; HYPOTHETICAL: NO  
 ; ORIGINAL SOURCE:  
 ; ORGANISM: Endothia parasitica (Cryptonectria  
 ; ORGANISM: parasitica)  
 ; STRAIN: EP713  
 ; US-08-459-065-2

Query Match 100.0%; Score 31; DB 2; Length 622;  
 Best Local Similarity 45.5%; Pred. No. 1.5e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:  
 Db 31 EEVVPAGCITL 41

RESULT 8  
 US-07-846-181-5  
 ; Sequence 5, Application US/07846181  
 ; Patent No. 5360732  
 ; GENERAL INFORMATION:  
 ; APPLICANT: BERRA, RANDY M  
 ; APPLICANT: FOWLER, TIMOTHY

```
;
; APPLICANT: REY, MICHAEL W
; TITLE OF INVENTION: PRODUCTION OF ASPERGILLUS NIGER
; TELECOMMUNICATION INFORMATION:
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENECOR INTERNATIONAL, INC.
; STREET: 180 KIMBALL WAY
; CITY: SOUTH SAN FRANCISCO
; STATE: CA
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/846,181
; FILING DATE: 19920304
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: HORN MS, MARGARET A
; REGISTRATION NUMBER: 33401
; REFERENCE/DOCKET NUMBER: GC204-US1
; TELEPHONE: 415-742-7536
; TELEFAX: 415-742-7536
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 730 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-846-181-5

Query Match 100.0%; Score 31; DB 1; Length 730;
Best Local Similarity 45.5%; Pred. No. 1.8e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 339 EEVVPYPLGM 349

RESULT 9
US-07-845-989-5
; Sequence 5, Application US/07845989
; Patent No. 5360901
; GENERAL INFORMATION:
; APPLICANT: BERKA, RANDY M
; APPLICANT: FOWLER, TIMOTHY
; APPLICANT: REY, MICHAEL W
; TITLE OF INVENTION: PRODUCTION OF ASPERGILLUS NIGER
; TITLE OF INVENTION: CATALASE-R
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENECOR INTERNATIONAL, INC.
; STREET: 180 KIMBALL WAY
; CITY: SOUTH SAN FRANCISCO
; STATE: CA
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/845,989
; FILING DATE: 19920304
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: HORN MS, MARGARET A
```

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;
; REGISTRATION NUMBER: 33401
; REFERENCE/DOCKET NUMBER: GC208-US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-742-7536
; TELEFAX: 415-742-7217
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 730 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-845-989-5

Query Match 100.0%; Score 31; DB 1; Length 730;
Best Local Similarity 45.5%; Pred. No. 1.8e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 339 EEVVPYPLGM 349

RESULT 10
US-08-463-092B-6
; Sequence 6, Application US/08463092B
; Patent No. 5766880
; GENERAL INFORMATION:
; APPLICANT: Cole, Susan P.C.
; APPLICANT: Deeley, Roger G.
; TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULES ENCODING
; TITLE OF INVENTION: MULTIDRUG RESISTANCE PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PARTEQ RESEARCH & DEVELOPMENT INNOVATIONS
; STREET: Queen's University at Kingston
; CITY: Kingston
; STATE: Ontario
; COUNTRY: CANADA
; ZIP: K7L 3N6
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/463,092B
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/966,923
; FILING DATE: 27-OCT-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/029,340
; FILING DATE: 8-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/141,893
; FILING DATE: 26-OCT-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/407,207
; FILING DATE: 20-MAR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Steeg, Carol Miernicki
; REGISTRATION NUMBER: 39,539
; REFERENCE/DOCKET NUMBER: Q1546
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (613) 545-2342
; TELEFAX: (613) 545-6853
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
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LENGTH: 1528 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-463-092B-6

Query Match 100.0%; Score 31; DB 1; Length 1528;  
Best Local Similarity 45.5%; Pred. No. 4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 251 EEVVPVLVNNW 261

RESULT 11  
US-08-462-109A-6  
Sequence 6, Application US/08462109A  
Patent No. 5882875  
GENERAL INFORMATION:  
APPLICANT: Cole, Susan P.C.  
APPLICANT: Deeley, Roger G.  
TITLE OF INVENTION: METHODS FOR IDENTIFYING  
TITLE OF INVENTION: MULTIDRUG RESISTANT TUMOR CELLS  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LAHIVE & COCKFIELD  
STREET: 60 State Street, suite 510  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/462,109A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/966,923  
FILING DATE: 27-OCT-1992  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Steeg, Carol Miernicki  
REGISTRATION NUMBER: 39,539  
REFERENCE/DOCKET NUMBER: Q1551  
TELEPHONE: (613) 545-2342  
TELEFAX: (613) 545-6853  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1528 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-462-109A-6

Query Match 100.0%; Score 31; DB 2; Length 1528;  
Best Local Similarity 45.5%; Pred. No. 4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 251 EEVVPVLVNNW 261

RESULT 12  
US-08-460-907B-6  
Sequence 6, Application US/08460907B  
Patent No. 5891724  
GENERAL INFORMATION:  
APPLICANT: Deeley, Roger G.  
APPLICANT: Cole, Susan P.C.  
TITLE OF INVENTION: METHODS FOR CONFERRING MULTIDRUG  
TITLE OF INVENTION: RESISTANCE ON A CELL  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PARTEQ RESEARCH & DEVELOPMENT INNOVATIONS  
STREET: Queen's University at Kingston  
CITY: Kingston  
STATE: Ontario  
COUNTRY: CANADA  
ZIP: K7L 3N6  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/460,907B  
FILING DATE: 05-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/966,923  
FILING DATE: 27-OCT-1992  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/029,340  
FILING DATE: 8-MAR-1993  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/141,893  
FILING DATE: 26-OCT-1993  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/407,207  
FILING DATE: 20-MAR-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Steeg, Carol Miernicki  
REGISTRATION NUMBER: 39,539  
REFERENCE/DOCKET NUMBER: Q1551  
TELEPHONE: (613) 545-2342  
TELEFAX: (613) 545-6853  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1528 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-460-907B-6

Query Match 100.0%; Score 31; DB 2; Length 1528;  
Best Local Similarity 45.5%; Pred. No. 4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 251 EEVVPVLVNNW 261

RESULT 13  
US-08-463-179A-6  
Sequence 6, Application US/08463179A  
Patent No. 6001563  
GENERAL INFORMATION:  
APPLICANT: Cole, Susan P.C.

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; APPLICANT: Deeley, Roger G.
; TITLE OF INVENTION: METHODS FOR IDENTIFYING CHEMOSENSITIZERS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/463,179A
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/966,923
; FILING DATE: 27-OCT-1992
; APPLICATION NUMBER: 08/029,340
; FILING DATE: 8-MAR-1993
; APPLICATION NUMBER: 08/141,893
; FILING DATE: 26-OCT-1993
; APPLICATION NUMBER: 08/407,207
; FILING DATE: 20-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: DeConti, Giulio A. Jr.
; REGISTRATION NUMBER: 31,503
; REFERENCE/DOCKET NUMBER: PQ1-002CP8
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1528 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-463-179A-6

Query Match 100.0%; Score 31; DB 3; Length 1528;
Best Local Similarity 45.5%; Pred. No. 4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 251 EEVVPVLVNW 261

RESULT 14
US-08-461-384B-6
; Sequence 6, Application US/08461384B
; Patent No. 6025473
; GENERAL INFORMATION:
; APPLICANT: Cole, Susan P.C.
; APPLICANT: Deeley, Roger G.
; TITLE OF INVENTION: MULTIDRUG RESISTANCE PROTEINS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PARTEQ RESEARCH & DEVELOPMENT INNOVATIONS
; STREET: Queen's University at Kingston
; CITY: Kingston
; STATE: Ontario
; COUNTRY: CANADA
; ZIP: K7L 3N6
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,384B
; FILING DATE: 05-JUN-95
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/966,923
; FILING DATE: 27-OCT-1992
; APPLICATION NUMBER: 08/029,340
; FILING DATE: 8-MAR-1993
; APPLICATION NUMBER: 08/141,893
; FILING DATE: 26-OCT-1993
; APPLICATION NUMBER: 08/407,207
; FILING DATE: 20-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Steeg, Carol Miernicki
; REGISTRATION NUMBER: 39,539
; REFERENCE/DOCKET NUMBER: Q1547
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (613) 545-2342
; TELEFAX: (613) 545-8853
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1528 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-461-384B-6

Query Match 100.0%; Score 31; DB 3; Length 1528;
Best Local Similarity 45.5%; Pred. No. 4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 251 EEVVPVLVNW 261

RESULT 15
US-08-718-388-7
; Sequence 7, Application US/08718388
; Patent No. 6271362
; GENERAL INFORMATION:
; APPLICANT: MORIKAWA, MINORU
; APPLICANT: HARADA, NAOKI
; TITLE OF INVENTION: GENE ENCODING IGG FC REGION-BINDING
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
; STREET: PO BOX 747
; CITY: FALLS CHURCH
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/718,388
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: MURPHY JR, GERALD M
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 0230-111
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2594 amino acids
; TYPE: amino acid

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TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-718-388-7

Query Match 100.0%; Score 31; DB 4; Length 2594;  
Best Local Similarity 45.5%; Pred. No. 7.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 1420 EEVVPDSPCLP 1430

## RESULT 16

US-09-080-983-3  
Sequence 3, Application US/09080983

Patent No. 6197948

GENERAL INFORMATION:

APPLICANT: Zhu, Hai-Ying

APPLICANT: Ling, Kai-Shu

APPLICANT: Gonsalves, Dennis

TITLE OF INVENTION: GRAPEVINE LEAFROLL VIRUS TYPE 2 PROTEINS

TITLE OF INVENTION: AND THEIR USES

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP

STREET: Clinton Square, P.O. Box 1051

CITY: Rochester

STATE: New York

COUNTRY: U.S.A.

ZIP: 14603

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/080,983

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/047,194

FILING DATE: 20-MAY-1997

ATTORNEY/AGENT INFORMATION:

NAME: Goldman, Michael L.

REGISTRATION NUMBER: 30,727

REFERENCE/DOCKET NUMBER: 19603/1631

TELECOMMUNICATION INFORMATION:

TELEPHONE: (716) 263-1304

TELEFAX: (716) 263-1600

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 2639 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-080-983-3

Query Match 100.0%; Score 31; DB 4; Length 2639;  
Best Local Similarity 45.5%; Pred. No. 7.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 555 EEVVPDITPA 565

## RESULT 17

US-08-718-388-9  
Sequence 9, Application US/08718388

Patent No. 6271362

GENERAL INFORMATION:

APPLICANT: MORIKAWA, MINORU  
APPLICANT: HARADA, NAKI  
TITLE OF INVENTION: GENE ENCODING IgG Fc REGION-BINDING  
TITLE OF INVENTION: PROTEIN

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:

ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH

STREET: PO BOX 747

CITY: FALLS CHURCH

STATE: VA

COUNTRY: USA

ZIP: 22040-0747

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/718,388

FILING DATE:

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: MURPHY JR, GERALD M

REGISTRATION NUMBER: 28,977

REFERENCE/DOCKET NUMBER: 0230-111

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 205-8000

TELEFAX: (703) 205-8050

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 5405 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-718-388-9

Query Match 100.0%; Score 31; DB 4; Length 5405;  
Best Local Similarity 45.5%; Pred. No. 1.6e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 1420 EEVVPDSPCLP 1430

Search completed: May 29, 2003, 16:59:31  
Job time : 15 secs





GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2003, 16:56:39 ; Search time 29 Seconds  
(without alignments)  
78.156 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpvxxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0, Gapext 0.5

Searched: 671580 seqs, 206047115 residues

Total number of hits satisfying chosen parameters: 176

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%

Maximum Match 100%

Listing first 600 summaries

Database :

SPTREMBL\_21.\*

1: sp\_archaea.\*

2: sp\_bacteria.\*

3: sp\_fungi.\*

4: sp\_human.\*

5: sp\_invertebrate.\*

6: sp\_mammal.\*

7: sp\_mhc.\*

8: sp\_organelle.\*

9: sp\_phage.\*

10: sp\_plant.\*

11: sp\_rodent.\*

12: sp\_virus.\*

13: sp\_vertebrate.\*

14: sp\_unclassified.\*

15: sp\_rvirus.\*

16: sp\_bacteriap.\*

17: sp\_archaeap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	31	100.0	95	2	Q9L301
5	31	100.0	97	5	Q22828
6	31	100.0	108	3	Q96X42
7	31	100.0	108	17	Q97U46
8	31	100.0	111	16	Q9CC43
9	31	100.0	118	4	Q96B37
10	31	100.0	119	11	Q8R404
11	31	100.0	121	16	Q8XYC7
12	31	100.0	122	16	Q8XS82
13	31	100.0	122	16	Q8XG16
14	31	100.0	123	16	Q926B1
15	31	100.0	130	16	Q92YJ6
16	31	100.0	130	16	Q52956

17	31	100.0	134	16	Q9RTF7
18	31	100.0	138	16	Q92VG7
19	31	100.0	150	2	Q49782
20	31	100.0	164	16	Q8ZNX6
21	31	100.0	165	16	Q8XW6
22	31	100.0	185	16	Q8XCW6
23	31	100.0	185	16	Q97S26
24	31	100.0	197	16	Q8RE64
25	31	100.0	200	17	Q8TTX1
26	31	100.0	201	5	Q25985
27	31	100.0	208	6	Q95KZ7
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32	31	100.0	240	16	Q9PGT4
33	31	100.0	250	17	Q9V208
34	31	100.0	266	10	Q93VE7
35	31	100.0	267	2	Q9FAG9
36	31	100.0	273	17	Q29554
37	31	100.0	279	17	Q8TV71
38	31	100.0	280	5	Q8TVN2
39	31	100.0	281	16	Q8YU66
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42	31	100.0	290	2	Q932R7
43	31	100.0	302	16	Q8UKB7
44	31	100.0	303	4	Q9UFE0
45	31	100.0	305	17	Q8TYW2
46	31	100.0	307	17	Q29676
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48	31	100.0	311	16	Q8ZB39
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57	31	100.0	384	10	Q49362
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63	31	100.0	401	2	Q50654
64	31	100.0	402	17	Q8TX87
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68	31	100.0	416	2	Q9LAY8
69	31	100.0	419	17	Q9UYL6
70	31	100.0	423	2	Q93HF1
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72	31	100.0	425	10	Q39331
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85	31	100.0	478	16	Q9RXH8
86	31	100.0	485	4	Q9BXK5
87	31	100.0	485	4	Q96IB7
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89	31	100.0	488	4	Q96M73

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Q92VG7	rhizobium m
Q49782	mycobacteri
Q8ZNX6	salmonella
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Q97S26	streptococc
Q8RE64	fusobacteri
Q8TTX1	methanosarc
Q25985	plasmodium
Q95KZ7	equus cabal
Q8SPR1	equus cabal
Q9L577	streptococc
Q01680	pneumocysti
Q9Z195	lactobacill
Q9PGT4	xyella fas
Q9V208	pyrococcus
Q93VE7	arabidopsis
Q9FAG9	pseudomonas
Q29554	archaeoglob
Q8TV71	methanopyru
Q8TVN2	caenorhabdi
Q8YU66	anabaena sp
Q8XRK0	raistonia s
Q8TXR5	methanopyru
Q932R7	pseudomonas
Q8UKB7	agrobacteri
Q9UFE0	homo sapien
Q8TYW2	methanopyru
Q29676	archaeoglob
Q9NMJ9	homo sapien
Q8ZB39	versinia pe
Q9RV16	deinococcus
Q9M9U8	arabidopsis
Q9SIL3	arabidopsis
Q49457	arabidopsis
Q9X888	streptococc
Q8T292	methanopyru
P72239	pseudomonas
Q9NKR4	leishmania
Q49362	arabidopsis
Q9UKN3	homo sapien
Q9RJH6	streptomyce
Q9EV92	clostridium
Q9HEF7	neurospora
Q22101	caenorhabdi
Q50654	pseudomonas
Q8TX87	methanopyru
Q9VX08	drosofila
Q9PDF2	xyella fas
Q69477	mycobacteri
Q9LAY8	streptococc
Q9UYL6	pyrococcus
Q93HF1	streptomyce
Q9BPS3	bombyx mori
Q39331	brassica na
Q58337	pyrococcus
P73669	synecocyst
Q981Y9	rhizobium l
Q9V7C0	drosofila
Q8XAR0	escherichia
Q9AE36	rhizobium l
Q93Z56	arabidopsis
Q8UY02	soybean mos
Q8R7Q9	thermoanaer
Q9HM45	thermoanaer
Q64067	bacterioph
Q31954	bacillus su
Q9RXH8	deinococcus
Q9BXK5	homo sapien
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Q96JJ7	homo sapien
Q96M73	homo sapien

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92	31	100.0	508	16	Q8R6X0	Q8R6X0 thermoplasma	165	31	100.0	2000	6	Q97791	Q97791 oryctolagus
93	31	100.0	511	16	Q9RY57	Q9RY57 deinococcus	166	31	100.0	2130	13	Q9DE13	Q9DE13 gallus gall
94	31	100.0	513	4	Q96FN5	Q96FN5 homo sapien	167	31	100.0	2473	12	O71209	O71209 grapevine l
95	31	100.0	544	16	Q9PQD2	Q9PQD2 ureaplasma	168	31	100.0	2843	4	Q9Y6R7	Q9Y6R7 homo sapien
96	31	100.0	558	5	Q21234	Q21234 caenorhabdi	169	31	100.0	2903	5	Q9N8R7	Q9N8R7 trypanosoma
97	31	100.0	596	10	Q49588	Q49588 arabidopsis	170	31	100.0	3033	12	Q9Q9A7	Q9Q9A7 hepatitis c
98	31	100.0	604	5	Q9VE96	Q9VE96 drosophila	171	31	100.0	3066	12	Q91BP2	Q91BP2 soybean mos
99	31	100.0	600	4	Q9NQZ7	Q9NQZ7 homo sapien	172	31	100.0	3263	5	Q917U3	Q917U3 drosophila
100	31	100.0	607	12	Q83351	Q83351 morbillivir	173	31	100.0	6815	5	Q917U4	Q917U4 drosophila
101	31	100.0	622	12	Q9VTU3	Q9VTU3 cryphonectr	174	31	100.0	7962	4	Q10465	Q10465 homo sapien
102	31	100.0	622	12	Q9YMF2	Q9YMF2 cryphonectr	175	31	100.0	16215	5	Q9NFS3	Q9NFS3 drosophila
103	31	100.0	622	12	Q9YMF1	Q9YMF1 cryphonectr	176	31	100.0	34350	4	Q8WZ42	Q8WZ42 homo sapien
104	31	100.0	622	12	Q9YMF0	Q9YMF0 cryphonectr							
105	31	100.0	622	12	Q9YME9	Q9YME9 cryphonectr							
106	31	100.0	622	12	Q9YME8	Q9YME8 cryphonectr							
107	31	100.0	622	12	Q9YME7	Q9YME7 cryphonectr							
108	31	100.0	622	12	Q9YME6	Q9YME6 cryphonectr							
109	31	100.0	622	12	Q9YME5	Q9YME5 cryphonectr							
110	31	100.0	622	12	Q9YME4	Q9YME4 cryphonectr							
111	31	100.0	622	12	Q04349	Q04349 cryphonectr							
112	31	100.0	637	3	O42733	O42733 pneumocysti							
113	31	100.0	637	17	Q8TJB4	Q8TJB4 methanosarc							
114	31	100.0	638	2	Q9SLC2	Q9SLC2 synechococc							
115	31	100.0	642	11	Q9D228	Q9D228 mus musculu							
116	31	100.0	653	16	Q9KVE3	Q9KVE3 vibrio chol							
117	31	100.0	655	5	Q9VX51	Q9VX51 drosophila							
118	31	100.0	656	5	Q8T8V2	Q8T8V2 drosophila							
119	31	100.0	661	17	Q973T7	Q973T7 sulfolobus							
120	31	100.0	680	4	Q9BWC2	Q9BWC2 homo sapien							
121	31	100.0	682	10	Q8RWG1	Q8RWG1 arabidopsis							
122	31	100.0	685	4	O15271	O15271 homo sapien							
123	31	100.0	688	5	Q22402	Q22402 caenorhabdi							
124	31	100.0	708	11	O91VS3	O91VS3 mus musculu							
125	31	100.0	716	11	P70521	P70521 ratius norv							
126	31	100.0	748	4	Q8TB37	Q8TB37 homo sapien							
127	31	100.0	758	4	Q8WUZ4	Q8WUZ4 homo sapien							
128	31	100.0	759	2	Q93M42	Q93M42 streptococc							
129	31	100.0	765	5	Q9VWU5	Q9VWU5 drosophila							
130	31	100.0	794	5	Q9VBW1	Q9VBW1 drosophila							
131	31	100.0	796	5	Q9XZT9	Q9XZT9 drosophila							
132	31	100.0	816	9	Q8SD65	Q8SD65 pseudomonas							
133	31	100.0	822	3	Q9USH9	Q9USH9 schizosacch							
134	31	100.0	828	3	P87243	P87243 schizosacch							
135	31	100.0	838	4	Q9ULQ0	Q9ULQ0 homo sapien							
136	31	100.0	877	10	Q42497	Q42497 chlorella v							
137	31	100.0	891	16	Q8YGV0	Q8YGV0 bruceella me							
138	31	100.0	903	4	Q9UPX1	Q9UPX1 homo sapien							
139	31	100.0	905	5	Q9VZR6	Q9VZR6 drosophila							
140	31	100.0	922	10	Q9W497	Q9W497 arabidopsis							
141	31	100.0	927	3	Q92446	Q92446 pneumocysti							
142	31	100.0	932	5	Q9VZP5	Q9VZP5 drosophila							
143	31	100.0	941	5	Q9VFK9	Q9VFK9 drosophila							
144	31	100.0	948	10	Q9S749	Q9S749 arabidopsis							
145	31	100.0	953	10	Q9SZD6	Q9SZD6 arabidopsis							
146	31	100.0	967	16	Q9X085	Q9X085 thermotoga							
147	31	100.0	1055	3	O13397	O13397 debaryomyce							
148	31	100.0	1075	12	Q91IE9	Q91IE9 lymantria d							
149	31	100.0	1076	3	Q9C1R0	Q9C1R0 debaryomyce							
150	31	100.0	1076	3	O43001	O43001 schizosacch							
151	31	100.0	1082	3	O13398	O13398 debaryomyce							
152	31	100.0	1084	5	Q9TYW4	Q9TYW4 caenorhabdi							
153	31	100.0	1144	5	Q9NJH7	Q9NJH7 drosophila							
154	31	100.0	1146	10	Q9SRD1	Q9SRD1 arabidopsis							
155	31	100.0	1232	5	Q9N4H7	Q9N4H7 caenorhabdi							
156	31	100.0	1306	2	Q47766	Q47766 enterococcu							
157	31	100.0	1341	12	Q88304	Q88304 sandfly fev							
158	31	100.0	1376	5	Q9VQR8	Q9VQR8 drosophila							
159	31	100.0	1499	4	Q96914	Q96914 homo sapien							
160	31	100.0	1503	5	Q96Z07	Q96Z07 plasmodium							
161	31	100.0	1528	11	O35379	O35379 mus musculu							
162	31	100.0	1608	5	Q8T526	Q8T526 plasmodium							

## ALIGNMENTS

## RESULT 1

Q9KND7 PRELIMINARY; PRT; 84 AA.

Q9KND7 AC Q9KND7: (TREMBLrel. 15, Created)

DT 01-OCT-2000 (TREMBLrel. 15, Last sequence update)

DT 01-OCT-2000 (TREMBLrel. 15, Last sequence update)

DE Hypothetical protein VCA0028.

GN VCA0028.

OS Vibrio cholerae.

OC Bacteria; Proteobacteria; gamma subdivision; Vibrionaceae; Vibrio.

OX NCBI\_TaxID=666;

RN [1]

SEQUENCE FROM N.A.

RC STRAIN=EL TOR N16961 / SEROTYPE O1;

RX MEDLINE=20406833; PubMed=10952301;

RA Heidelberg J.F., Eisen J.A., Nelson W.C., Clayton R.A., Gwinn M.L.,

RA Dodson R.J., Haft D.H., Hickey E.K., Peterson J.D., Umayam L.A.,

RA Gill S.R., Nelson K.E., Read T.D., Tettelin H., Richardson D.,

RA Ermolaeva M.D., Vamathevan J., Bass S., Qin H., Dragoi I., Sellers P.,

RA McDonald L., Utterback T., Fleischmann R.D., Nierman W.C., White O.,

RA Salzberg S.L., Smith H.O., Colwell R.R., Mekalanos J.J., Venter J.C.,

RA Fraser C.M.;

RT "DNA sequence of both chromosomes of the cholera pathogen Vibrio

RT cholerae.";

RL Nature 406:477-483(2000).

DR EMBL; AE004346; AAF95942.1; -.

DR TIGR; VCA0028; -.

KW Hypothetical protein; Complete proteome.

SQ SEQUENCE 84 AA; 9690 MW; DI3D5063CADECB5D CRC64;

Query Match 100.0%; Score 31; DB 16; Length 84;

Best Local Similarity 45.5%; Pred. NO. 1.6e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 BEVVPXXXXX 11

Db 42 BEVVPYPPREW 52

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## RESULT 2

Q8XWY6 PRELIMINARY; PRT; 88 AA.

Q8XWY6 AC Q8XWY6: (TREMBLrel. 20, Created)

DT 01-MAR-2002 (TREMBLrel. 20, Last sequence update)

DT 01-MAR-2002 (TREMBLrel. 20, Last sequence update)

DE ISRSO10-transposase ORFA protein.

GN TIRSO10A OR RSC2332 OR RSO1217.

OC Bacteria; Proteobacteria; beta subdivision; Ralstonia group;

OC Ralstonia.

OX NCBI\_TaxID=305;

RN [1]

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RP SEQUENCE FROM N.A.
RC STRAIN=GM11000;
RX MEDLINE=21681879; PubMed=11823852;
RA Salanoubat M., Genin S., Artiguenave F., Gouzy J., Mangenot S.,
RA Ariat M., Billault A., Brottier P., Canus J.C., Cattolico L.,
RA Chandler M., Choise N., Claudel-Renard C., Cunnac S., Demange N.,
RA Gaspin C., Lavie M., Moisan A., Robert C., Saurin W., Schiex T.,
RA Siguer P., Thebault P., Whalen M., Wincker P., Levy M.,
RA Weissenbach J., Boucher C.A.;
RT "Genome sequence of the plant pathogen Ralstonia solanacearum.";
RL Nature 415:497-502(2002).
DR EMBL; AL646069; CAD16039.1; -.
DR InterPro; IPR002514; Transposase_8.
DR Pfam; PF01527; Transposase_8; 1.
KW Complete proteome.
SQ SEQUENCE 88 AA; 9938 MW; 8DCEC8876DD05734 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 88;
Best Local Similarity 45.5%; Pred. No. 1.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db |||||:||||:
32 EEVVPASELAE 42

RESULT 3
Q9L313 ID Q9L313 PRELIMINARY; PRT; 95 AA.
AC Q9L313;
DT 01-OCT-2000 (Tremblrel. 15, Created)
DT 01-OCT-2000 (Tremblrel. 15, Last sequence update)
DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)
DE DNA mismatch repair protein (Fragment).
GN HEXB.
OS Streptococcus mitis.
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;
OC Streptococcaceae; Streptococcus.
OX NCBI_TaxID=28037;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=764;
RX MEDLINE=20143749; PubMed=10678950;
RA Whatmore A.M., Efstathiou A., Pickerill A.P., Broughton K.,
RA Woodard G., Sturgeon D., George R., Dowson C.G.;
RT "Genetic relationships between clinical isolates of Streptococcus
RT pneumoniae, Streptococcus oralis, and Streptococcus mitis:
RT characterisation of 'atypical' pneumococci and organisms allied to S.
RT mitis harbouring S. pneumoniae virulence factor encoding genes.";
RL Infect. Immun. 68:1374-1382(2000).
DR EMBL; AJ390864; CAB71557.1; -.
DR HSP; P23367; 1B63.
DR InterPro; IPR002099; DNA_mis_repair.
DR PROSITE; PS00058; DNA_MISMATCH_REPAIR_1; UNKNOWN_1.
FT NON_TER 1
FT NON_TER 95
SQ SEQUENCE 95 AA; 10088 MW; 9ED8F45F512908D4 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 95;
Best Local Similarity 45.5%; Pred. No. 1.8e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db |||||:||||:
71 EEVVPATSPVG 81

RESULT 4
Q9L301 ID Q9L301 PRELIMINARY; PRT; 95 AA.
AC Q9L301;
DT 01-OCT-2000 (Tremblrel. 15, Created)
DT 01-OCT-2000 (Tremblrel. 15, Last sequence update)

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DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)
DE DNA mismatch repair protein (Fragment).
GN HEXB.
OS Streptococcus pneumoniae.
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;
OC Streptococcaceae; Streptococcus.
OX NCBI_TaxID=1313;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=COL5;
RX MEDLINE=20143749; PubMed=10678950;
RA Whatmore A.M., Efstathiou A., Pickerill A.P., Broughton K.,
RA Woodard G., Sturgeon D., George R., Dowson C.G.;
RT "Genetic relationships between clinical isolates of Streptococcus
RT pneumoniae, Streptococcus oralis, and Streptococcus mitis:
RT characterisation of 'atypical' pneumococci and organisms allied to S.
RT mitis harbouring S. pneumoniae virulence factor encoding genes.";
RL Infect. Immun. 68:1374-1382(2000).
DR EMBL; AJ390878; CAB71677.1; -.
DR HSP; P23367; 1B63.
DR InterPro; IPR002099; DNA_mis_repair.
DR PROSITE; PS00058; DNA_MISMATCH_REPAIR_1; UNKNOWN_1.
FT NON_TER 1
FT NON_TER 95
SQ SEQUENCE 95 AA; 10061 MW; 9ECD2E6F512908D4 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 95;
Best Local Similarity 45.5%; Pred. No. 1.8e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db |||||:||||:
71 EEVVPATSPVG 81

RESULT 5
Q22828 ID Q22828 PRELIMINARY; PRT; 97 AA.
AC Q22828;
DT 01-NOV-1996 (Tremblrel. 01, Created)
DT 01-NOV-1996 (Tremblrel. 01, Last sequence update)
DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)
DE T27A8.4 protein.
GN T27A8.4.
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
OC Rhabditidae; Peloderinae; Caenorhabditis.
OX NCBI_TaxID=6239;
RN [1]
RP SEQUENCE FROM N.A.
RA Gardner A.E.;
RL Submitted (NOV-1995) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=99069613; PubMed=9851916;
RA none;
RT "Genome sequence of the nematode C. elegans: A platform for
RT investigating biology.";
RL Science 282:2012-2018(1998).
DR EMBL; Z68134; CAA92225.1; -.
SQ SEQUENCE 97 AA; 11021 MW; 61761FB34F60B178 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 97;
Best Local Similarity 45.5%; Pred. No. 1.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db |||||:||||:
23 EEVWPGETSG 33

RESULT 6
Q96X42

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ID Q96X42 PRELIMINARY; PRT; 108 AA.
AC Q96X42;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Thiorodoxin reductase (Fragment).
OS Coccidioides immitis.
OC Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
OC Onygenales; mitosporic Onygenales; Coccidioides.
OX NCBI_TaxID=5501;
RN [1]
RP SEQUENCE FROM N.A.
RX Delgado N., Cole G.T.;
RA "Identification of differentially expressed genes in Coccidioides
RT immitis.";
RL Submitted (APR-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF261770; AAK49410.1; -.
FT NON_TER 1
FT NON_TER 108
SQ SEQUENCE 108 AA; 11477 MW; 83F219C23FF86FC6 CRC64;

Query Match 100.0%; Score 31; DB 3; Length 108;
Best Local Similarity 45.5%; Pred. No. 2.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 55 EEVVPANGLEY 65

RESULT 7
Q97U46 PRELIMINARY; PRT; 108 AA.
ID Q97U46;
AC Q97U46;
DT 01-OCT-2001 (TrEMBLrel. 18, Created)
DT 01-OCT-2001 (TrEMBLrel. 18, Last sequence update)
DT 01-OCT-2001 (TrEMBLrel. 18, Last annotation update)
DE Hypothetical protein SSO3178.
GN SSO3178.
OS Sulfolobus solfataricus.
OC Archaea; Crenarchaeota; Thermoprotei; Sulfolobales; Sulfolobaceae;
OC Sulfolobus.
OX NCBI_TaxID=2287;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=ATCC 35092 / DSM 1617 / P2;
MEDLINE=21332296; PubMed=11427726;
RA She Q., Singh R.K., Confalonieri F., Zivanovic Y., Allard G.,
RA Awayez M.J., Chan-Weiher C.C.-Y., Clausen I.G., Curtis B.A.,
RA De Moors A., Erasmo G., Fletcher C., Gordon P.M.K.,
RA Heikamp-de Jong I., Jeffries A.C., Kozera C.J., Medina N., Peng X.,
RA Thi-Ngoc H.P., Redder P., Schenk M.E., Theriault C., Tolstrup N.,
RA Charlebois R.L., Doolittle W.F., Duguet M., Gaasterland T.,
RA Garrett R.A., Ragan M.A., Senses C.W., Van der Oost J.;
RT "The complete genome of the crenarchaeon Sulfolobus solfataricus p2.";
RL Proc. Natl. Acad. Sci. U.S.A. 98:7835-7840(2001).
DR EMBL; AE006907; AAK43276.1; -.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 108 AA; 12316 MW; 2162BEA4D1B550D9 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 108;
Best Local Similarity 45.5%; Pred. No. 2.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 54 EEVVPPEICTR 64

RESULT 8
Q9CC43 PRELIMINARY; PRT; 111 AA.
ID Q9CC43
AC Q9CC43;

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DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 01-OCT-2001 (TrEMBLrel. 18, Last annotation update)
DE Hypothetical protein ML1296.
GN ML1296.
OS Mycobacterium leprae.
OC Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;
OC Actinomycetales; Corynebacterineae; Mycobacteriaceae; Mycobacterium.
OX NCBI_TaxID=1769;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=IN;
RC MEDLINE=21128732; PubMed=11234002;
RA Cole S.T., Eigmeier K., Parkhill J., James K.D., Thomson N.R.,
RA Wheeler P.R., Honore N., Garnier T., Churcher C., Harris D.,
RA Mungall K., Basham D., Brown D., Chillingworth T., Connor R.,
RA Davies R.M., Devlin K., Duthoy S., Feltwell T., Fraser A., Hamlin N.,
RA Holtroyd S., Hornsby T., Jagels K., Lacroix C., Maclean J., Moule S.,
RA Murphy L., Oliver K., Quail M.A., Rajandream M.A., Rutherford K.M.,
RA Rutter S., Seeger K., Simon S., Simmonds M., Skelton J., Squares R.,
RA Squares S., Stevens K., Taylor K., Whitehead S., Woodward J.R.,
RA Barrell B.G.;
RT "Massive gene decay in the leprosy bacillus.";
RL Nature 409:1007-1011(2001).
DR EMBL; AL583921; CAC31677.1; -.
KW Leproma; ML1296; -.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 111 AA; 12349 MW; 77648FB400274E36 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 111;
Best Local Similarity 45.5%; Pred. No. 2.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 74 EEVVPRAIRGL 84

RESULT 9
Q96B37 PRELIMINARY; PRT; 118 AA.
ID Q96B37;
AC Q96B37;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Hypothetical 12.4 kDa protein (Fragment).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=SKIN;
RA Strausberg R.;
RL Submitted (OCT-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC016037; AAH16037.1; -.
KW Hypothetical protein.
FT NON_TER 1
FT NON_TER 1
SQ SEQUENCE 118 AA; 12422 MW; 169C402A687D2B4D CRC64;

Query Match 100.0%; Score 31; DB 4; Length 118;
Best Local Similarity 45.5%; Pred. No. 2.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 29 EEVVPALPTPE 39

RESULT 10
Q8R404 PRELIMINARY; PRT; 119 AA.
ID Q8R404
AC Q8R404;

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DT 01-JUN-2002 (TReMBLrel. 21, Created)
DT 01-JUN-2002 (TReMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)
GN QIIL1.
DE QIIL1.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=GM11000;
RC STRAIN=C57BL/6;
RA Xue Y.Q., Tian Z.S., Tu Y.J., Yang P., Sun M.Z., He Q., Qi Z.H.;
RT "Novel gene identified from human APOE transgenic mice."
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY091637; AAM14633.1; -.
SQ SEQUENCE 119 AA; 13373 MW; 4F8DED9CAAFACDA CRC64;

Query Match 100.0%; Score 31; DB 11; Length 119;
Best Local Similarity 45.5%; Pred. No. 2.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : :
Db 45 EEVVPAMYQF 55

RESULT 11
Q8XVC7 PRELIMINARY; PRT; 121 AA.
ID Q8XVC7
AC Q8XVC7;
RC SEQUENCE FROM N.A.
RX MEDLINE=21681879; PubMed=11823852;
RA Salanoubat M., Genin S., Artiguenave F., Gouzy J., Mangenot S.,
RA Arlat M., Billault A., Brottier P., Camus J.C., Cattolico L.,
RA Chandler M., Choisme N., Claudel-Renard C., Cunnac S., Demange N.,
RA Gaspin C., Lavie M., Moisan A., Robert C., Saurin W., Schiex T.,
RA Siguier P., Thebaud P., Whalen M., Wincker P., Levy M.,
RA Weissenbach J., Boucher C.A.;
RT "Genome sequence of the plant pathogen Ralstonia solanacearum."
RL Nature 415:497-502(2002).
DR EMBL; AL646066; CAD15533.1; -.
DR InterPro: IPR002514; Transposase_8.
DR Pfam: PF01527; Transposase_8; 1.
DR Complete proteome.
KW SEQUENCE 121 AA; 13810 MW; 3A65EEF33BB10880 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 121;
Best Local Similarity 45.5%; Pred. No. 2.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : :
Db 65 EEVVPASELAE 75

RESULT 12
Q8XSB2 PRELIMINARY; PRT; 122 AA.
ID Q8XSB2
AC Q8XSB2;
DT 01-MAR-2002 (TReMBLrel. 20, Created)
DT 01-MAR-2002 (TReMBLrel. 20, Last sequence update)

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DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)
DE IRSO10-transposase ORFA protein.
GN TIRS010A OR RSP0566 OR RS03912.
OS Ralstonia solanacearum (Pseudomonas solanacearum).
OG Plasmid megaplasmid.
OC Bacteria; Proteobacteria; beta subdivision; Ralstonia group;
OC Ralstonia.
OX NCBI_TaxID=305;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=GM11000;
RC MEDLINE=21681879; PubMed=11823852;
RA Salanoubat M., Genin S., Artiguenave F., Gouzy J., Mangenot S.,
RA Arlat M., Billault A., Brottier P., Camus J.C., Cattolico L.,
RA Chandler M., Choisme N., Claudel-Renard C., Cunnac S., Demange N.,
RA Gaspin C., Lavie M., Moisan A., Robert C., Saurin W., Schiex T.,
RA Siguier P., Thebaud P., Whalen M., Wincker P., Levy M.,
RA Weissenbach J., Boucher C.A.;
RT "Genome sequence of the plant pathogen Ralstonia solanacearum."
RL Nature 415:497-502(2002).
DR EMBL; AL646079; CAD17717.1; -.
DR InterPro: IPR002514; Transposase_8.
DR Pfam: PF01527; Transposase_8; 1.
DR Plasmid; Complete proteome.
KW SEQUENCE 122 AA; 13873 MW; 48DB181B0A808379 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 122;
Best Local Similarity 45.5%; Pred. No. 2.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : :
Db 66 EEVVPASELAE 76

RESULT 13
Q8XGI6 PRELIMINARY; PRT; 122 AA.
ID Q8XGI6
AC Q8XGI6;
DT 01-MAR-2002 (TReMBLrel. 20, Created)
DT 01-MAR-2002 (TReMBLrel. 20, Last sequence update)
DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)
DE IRSO10-transposase ORFA protein.
GN TIRS010A OR RSP0461 OR RSC1434 OR RS00949 OR RS05904.
OS Ralstonia solanacearum (Pseudomonas solanacearum).
OG Plasmid megaplasmid.
OC Bacteria; Proteobacteria; beta subdivision; Ralstonia group;
OC Ralstonia.
OX NCBI_TaxID=305;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=GM11000; PLASMID=MEGAPLASMID;
RC MEDLINE=21681879; PubMed=11823852;
RA Salanoubat M., Genin S., Artiguenave F., Gouzy J., Mangenot S.,
RA Arlat M., Billault A., Brottier P., Camus J.C., Cattolico L.,
RA Chandler M., Choisme N., Claudel-Renard C., Cunnac S., Demange N.,
RA Gaspin C., Lavie M., Moisan A., Robert C., Saurin W., Schiex T.,
RA Siguier P., Thebaud P., Whalen M., Wincker P., Levy M.,
RA Weissenbach J., Boucher C.A.;
RT "Genome sequence of the plant pathogen Ralstonia solanacearum."
RL Nature 415:497-502(2002).
DR EMBL; AL646078; CAD17612.1; -.
DR InterPro: IPR002514; Transposase_8.
DR Pfam: PF01527; Transposase_8; 1.
DR Plasmid; Complete proteome.
KW SEQUENCE 122 AA; 13941 MW; 3A4E1EBE3BB108CD CRC64;

Query Match 100.0%; Score 31; DB 16; Length 122;
Best Local Similarity 45.5%; Pred. No. 2.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

```

Db 66 EEVVPASELAE 76  
|||||:|||||

## RESULT 14

Q926BI ID Q926BI PRELIMINARY; PRT; 123 AA.  
AC Q926BI  
DT 01-DEC-2001 (TREMELREL. 19, Created)  
DT 01-DEC-2001 (TREMELREL. 19, Last sequence update)  
DT 01-MAR-2002 (TREMELREL. 20, Last annotation update)  
DE Transposase for insertion sequence element ISRM1 (TRM1A transposase).  
GN TRM1A OR R02493 OR RA0558 OR SMA1030 OR SMC01959.  
OS Rhizobium meliloti (Sinorhizobium meliloti).  
OG Plasmid pSymA (megaplasmid 1).  
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;  
OC Rhizobiaceae; Sinorhizobium.  
OX NCBI\_TaxID=382;  
RN SEQUENCE FROM N.A.  
RC STRAIN=1021;  
RX MEDLINE=21396507; PubMed=11481430;  
RA Capela D., Barloy-Hubler F., Gouzy J., Bothe G., Ampe F., Batut J.,  
RA Boistard P., Becker A., Boutry M., Cadieu E., Dreano S., Goux S.,  
RA Godrie T., Goffeau A., Kahn D., Kiss E., Lelaure V., Masuy D.,  
RA Pohl T., Portetelle D., Puehler A., Purnelle B., Ramsperger U.,  
RA Renard C., Thebaud P., Vandenbol M., Weidner S., Galibert F.,  
RT "Analysis of the chromosome sequence of the legume symbiont  
RT Sinorhizobium meliloti strain 1021";  
RL Proc. Natl. Acad. Sci. U.S.A. 98:9877-9882(2001).  
RN [2]  
RN SEQUENCE FROM N.A.  
RC STRAIN=1021; PLASMID=PSYMA (MEGAPLASMID 1);  
RX MEDLINE=21396509; PubMed=11481432;  
RA Barnett M.J., Fisher R.F., Jones T., Komp C., Abola A.P.,  
RA Barloy-Hubler F., Bowser L., Capela D., Galibert F., Gouzy J.,  
RA Gurjal M., Hong A., Huizar L., Hyman R.W., Kahn D., Kahn M.L.,  
RA Kaiman S., Keating D.H., Palm C., Peck M.C., Surzycki R., Wells D.H.,  
RA Yeh K.-C., Davis R.W., Federspiel N.A., Long S.R.;  
RT "Nucleotide sequence and predicted functions of the entire  
RT Sinorhizobium meliloti pSymA megaplasmid";  
RL Proc. Natl. Acad. Sci. U.S.A. 98:9883-9888(2001).  
DR EMBL; AL591790; CAC47072.1;  
DR EMBL; AE007246; AAK65216.1;  
DR InterPro; IPR002514; Transposase\_8.  
DR Pfam; PF01527; Transposase\_8; 1.  
KW Plasmid; Complete proteome.  
SQ SEQUENCE 123 AA; 13697 MW; 141F4AEB5FB95AAE CRC64;

Query Match 100.0%; Score 31; DB 16; Length 123;  
Best Local Similarity 45.5%; Pred. No. 2.4e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||

## RESULT 15

Q92VJ6 ID Q92VJ6 PRELIMINARY; PRT; 130 AA.  
AC Q92VJ6  
DT 01-DEC-2001 (TREMELREL. 19, Created)  
DT 01-DEC-2001 (TREMELREL. 19, Last sequence update)  
DT 01-MAR-2002 (TREMELREL. 20, Last annotation update)  
DE Trm1a transposase.  
GN RA0881 OR SMA1615.  
OS Rhizobium meliloti (Sinorhizobium meliloti).  
OG Plasmid pSymA (megaplasmid 1).  
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;  
OC Rhizobiaceae; Sinorhizobium.  
OX NCBI\_TaxID=382;

RN SEQUENCE FROM N.A.  
RP STRAIN=1021;  
RX MEDLINE=21396509; PubMed=11481432;  
RA Barnett M.J., Fisher R.F., Jones T., Komp C., Abola A.P.,  
RA Barloy-Hubler F., Bowser L., Capela D., Galibert F., Gouzy J.,  
RA Gurjal M., Hong A., Huizar L., Hyman R.W., Kahn D., Kahn M.L.,  
RA Kalman S., Keating D.H., Palm C., Peck M.C., Surzycki R., Wells D.H.,  
RA Yeh K.-C., Davis R.W., Federspiel N.A., Long S.R.;  
RT "Nucleotide sequence and predicted functions of the entire  
RT Sinorhizobium meliloti pSymA megaplasmid";  
RL Proc. Natl. Acad. Sci. U.S.A. 98:9883-9888(2001).  
DR EMBL; AE007274; AAK65339.1;  
DR InterPro; IPR002514; Transposase\_8.  
DR Pfam; PF01527; Transposase\_8; 1.  
KW Plasmid; Complete proteome.  
SQ SEQUENCE 130 AA; 14507 MW; 7D200BA185D9ABB3 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 130;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||

## RESULT 16

Q92956 ID Q92956 PRELIMINARY; PRT; 130 AA.  
AC Q92956  
DT 01-NOV-1996 (TREMELREL. 01, Created)  
DT 01-NOV-1996 (TREMELREL. 01, Last sequence update)  
DT 01-MAR-2002 (TREMELREL. 20, Last annotation update)  
DE Putative coding sequence (Transposase of insertion sequence ISRM1 ORFA element ISRM1).  
DE protein (TRM1A transposase) (Transposase for insertion sequence element ISRM1).  
GN TNP OR TRM1A OR RB1216 OR RA0233 OR R00601 OR R03140 OR R03281 OR  
GN SMA0445 OR SMC20918 OR SMC02298 OR SMC03295 OR SMC03898.  
OS Rhizobium meliloti (Sinorhizobium meliloti).  
OG Plasmid pSymA (megaplasmid 1), and Plasmid pSymB (megaplasmid 2).  
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;  
OC Rhizobiaceae; Sinorhizobium.  
OX NCBI\_TaxID=382;  
RN SEQUENCE FROM N.A.  
RP STRAIN=4D3;  
RX MEDLINE=92297960; PubMed=1667984;  
RA Watson R., Wheatcroft R.;  
RT "Nucleotide sequence of Rhizobium meliloti insertion sequence ISRM1:  
RT homology to IS2 from Escherichia coli and IS426 from Agrobacterium  
RT tumefaciens";  
RL DNA Seq. 2:163-172(1991).  
RN [2]  
RN SEQUENCE FROM N.A.  
RP STRAIN=4D3;  
RX MEDLINE=93211291; PubMed=8384687;  
RA Chandler M., Fayet O.;  
RT "Translational frameshifting in the control of transposition in  
RT bacteria";  
RL Mol. Microbiol. 7:497-503(1993).  
RN [3]  
RN SEQUENCE FROM N.A.  
RP STRAIN=RCR2011 / SU47;  
RA Selbitschka W., Diekmann B., Labes G., Schneider S., Schroeder G.,  
RA Puehler A., Lopez M.F., Toro N.;  
RT "The Sinorhizobium meliloti insertion sequence elements ISpm2011-1  
RT and ISpm2011-1: Members of the IS3 and IS4 family of IS elements with  
RT gene activating ability";  
RL Submitted (FEB-1999) to the EMBL/GenBank/DBJ databases.  
RN [4]  
RN SEQUENCE FROM N.A.  
RP STRAIN=1021; PLASMID=PSYMB (MEGAPLASMID 2);

RA MEDLINE=21396508; PubMed=11481431;  
RA Finan T.M., Weidner S., Wong K., Buhrmester J., Chain P.,  
RA Vorhoelter F.J., Hernandez-Lucas I., Becker A., Gouzy J.,  
RA Golding B., Puehler A.;  
RT "The complete sequence of the 1,683-kb pSymB megaplasmid from the N2-  
RT fixing endosymbiont Sinorhizobium meliloti.";  
RL Proc. Natl. Acad. Sci. U.S.A. 98:9889-9894(2001).  
RN [5]  
RC SEQUENCE FROM N.A.  
RP STRAIN=1021; PLASMID=PSYMA (MEGAPLASMID 1);  
RX MEDLINE=21396509; PubMed=11481432;  
RA Barnett M.J., Fisher R.F., Jones T., Komp C., Abola A.P.,  
RA Barloy-Hubler F., Bowser L., Capela D., Galibert F., Gouzy J.,  
RA Gurjal M., Hong A., Huizar L., Hyman R.W., Kahn D., Kahn M.L.,  
RA Kalman S., Keating D.H., Palm C., Peck M.C., Surzycki R., Wells D.H.,  
RA Yeh K.-C., Davis R.W., Federspiel N.A., Long S.R.;  
RT "Nucleotide sequence and predicted functions of the entire  
RT Sinorhizobium meliloti pSYMA megaplasmid.";  
RL Proc. Natl. Acad. Sci. U.S.A. 98:9883-9888(2001).  
RN [6]  
RC SEQUENCE FROM N.A.  
RP STRAIN=1021;  
RX MEDLINE=21396507; PubMed=11481430;  
RA Capela D., Barloy-Hubler F., Gouzy J., Bothe G., Ampe F., Batut J.,  
RA Boistard P., Becker A., Boutry M., Cadieu E., Dreano S., Gloux S.,  
RA Godrie T., Goffeau A., Kahn D., Kiss E., Lelaure V., Masuy D.,  
RA Pohl T., Portetelle D., Puehler A., Purnelle B., Ramsperger U.,  
RA Renard C., Thebault P., Vandenbol M., Weidner S., Galibert F.;  
RT "Analysis of the chromosome sequence of the legume symbiont  
RT Sinorhizobium meliloti strain 1021.";  
RL Proc. Natl. Acad. Sci. U.S.A. 98:9877-9882(2001).  
DR EMBL; X56563; CAA39914.1; -;  
DR EMBL; AF126537; AAD28751.1; -;  
DR EMBL; AL603646; CAC49616.1; -;  
DR EMBL; AE007216; AAK64891.1; -;  
DR EMBL; AL591784; CAC45173.1; -;  
DR EMBL; AL591793; CAC47719.1; -;  
DR EMBL; AL591793; CAC47860.1; -;  
DR InterPro; IPR002514; Transposase\_8.  
DR Pfam; PF01527; Transposase\_8; 1.  
KW Plasmid; Complete proteome.  
SQ SEQUENCE 130 AA; 14493 MW; 66241BA185DDBB0 CRC64;  
  
Query Match 100.0%; Score 31; DB 16; Length 130;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXXX 11  
Db |||||:||||: 82  
72 EEVVPASEYRA 82  
  
RESULT 17  
Q9RTF7 PRELIMINARY; PRT; 134 AA.  
AC Q9RTF7  
DT 01-MAY-2000 (TrEMBLrel. 13, Created)  
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
DE Hypothetical protein DRI1807.  
GN DRI1807.  
OS Deinococcus radiodurans.  
OC Bacteria; Thermus/Deinococcus group; Deinococci; Deinococcales;  
OC Deinococcaceae; Deinococcus.  
OX NCBI\_TaxID=1299;  
RN [1]  
RC SEQUENCE FROM N.A.  
RP STRAIN=R1;  
RX MEDLINE=20036896; PubMed=10567266;  
RA White O., Eisen J.A., Heidelberg J.F., Hickey E.K., Peterson J.D.,  
RA Dodson R.J., Haft D.H., Gwinn M.L., Nelson W.C., Richardson D.L.,  
RA Morfat K.S., Qin H., Jiang L., Pamphile W., Crosby M., Shen M.,  
RA Vamathevan J.J., Lam P., McDonald L., Utterback T., Zalewski C.,

RA Makarova K.S., Aravind L., Daly M.J., Minton K.W., Fleischmann R.D.,  
RA Ketchum K.A., Nelson K.E., Salzberg S., Smith H.O., Venter J.C.,  
RA Fraser C.M.;  
RT "Genome sequence of the radioresistant bacterium Deinococcus  
RT radiodurans R1.";  
RL Science 286:1571-1577(1999).  
DR EMBL; AE002021; AAF11359.1; -;  
DR TIGR; DRI1807; -;  
KW Hypothetical protein; Complete proteome.  
SQ SEQUENCE 134 AA; 14937 MW; 694B4E4C6283E9DA CRC64;  
  
Query Match 100.0%; Score 31; DB 16; Length 134;  
Best Local Similarity 45.5%; Pred. No. 2.6e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXXX 11  
Db |||||:||||: 99  
89 EEVVPVLTLEH 99  
  
RESULT 18  
Q92VG7 PRELIMINARY; PRT; 138 AA.  
AC Q92VG7  
DT 01-DEC-2001 (TrEMBLrel. 19, Created)  
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
DE Probable transposase of insertion sequence ISRml orfa  
DE protein.  
GN TRM1A OR RB0738 OR SMB21234.  
OS Rhizobium meliloti (Sinorhizobium meliloti).  
OC Plasmid pSymB (megaplasmid 2).  
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;  
OC Rhizobiaceae; Sinorhizobium.  
OX NCBI\_TaxID=382;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=1021;  
RX MEDLINE=21396508; PubMed=11481431;  
RA Finan T.M., Weidner S., Wong K., Buhrmester J., Chain P., Gouzy J.,  
RA Vorhoelter F.J., Hernandez-Lucas I., Becker A., Gouzy J.,  
RA Golding B., Puehler A.;  
RT "The complete sequence of the 1,683-kb pSymB megaplasmid from the N2-  
RT fixing endosymbiont Sinorhizobium meliloti.";  
RL Proc. Natl. Acad. Sci. U.S.A. 98:9889-9894(2001).  
DR EMBL; AL603644; CAC49138.1; -;  
DR InterPro; IPR002514; Transposase\_8.  
DR Pfam; PF01527; Transposase\_8; 1.  
KW Plasmid; Complete proteome.  
SQ SEQUENCE 138 AA; 15308 MW; D8ABEF6ED31BF18C CRC64; 1;  
  
Query Match 100.0%; Score 31; DB 16; Length 138;  
Best Local Similarity 45.5%; Pred. No. 2.7e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXXX 11  
Db |||||:||||: 90  
80 EEVVPASEYRA 90  
  
RESULT 19  
Q49782 PRELIMINARY; PRT; 150 AA.  
AC Q49782  
DT 01-NOV-1996 (TrEMBLrel. 01, Created)  
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)  
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
DE B2126\_C2.188.  
OS Mycobacterium leprae.  
OC Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;  
OC Actinomycetales; Corynebacterineae; Mycobacteriaceae; Mycobacterium.  
OX NCBI\_TaxID=1769;  
RN [1]

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RX SEQUENCE FROM N.A.
RA Smith D.R.;
RL Submitted (JAN-1994) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RA Robison K.;
RL Submitted (MAR-1994) to the EMBL/GenBank/DBJ databases.
DR EMBL; U00017; AAA17192.1; -.
SQ SEQUENCE 150 AA; 17061 MW; 99A16F8B3E543395 CRC64;

Query Match          100.0%; Score 31; DB 2; Length 150;
Best Local Similarity 45.5%; Pred. No. 2.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
   |||||:|:|:|:|
Db 113 EEVVPRAIRGL 123

RESULT 20
Q8XNW6 PRELIMINARY; PRT; 164 AA.
AC Q8XNW6;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE Homology to recE (exovIII) in E. coli.
GN STM1870.
OS Salmonella typhimurium.
OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
OC Salmonella.
OX NCBI_TaxID=602;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=LT2 / SGSC1412 / ATCC 700720;
RX MEDLINE=21534948; PubMed=11677609;
RA McClelland M., Sanderson K.E., Spieth J., Clifton S.W., Latreille P.,
RA Courtney L., Porwollik S., Ali J., Dante M., Du F., Hou S., Layman D.,
RA Leonard S., Nguyen C., Scott K., Holmes A., Grewal N., Mulvaney E.,
RA Ryan E., Sun H., Florea L., Miller W., Stoneking T., Nhan M.,
RA Waterston R., Wilson R.K.;
RT "Complete genome sequence of Salmonella enterica serovar Typhimurium
RT LT2."
RL Nature 413:852-856(2001).
DR EMBL; AE008783; AAL20786.1; -.
KW Complete proteome.
SQ SEQUENCE 164 AA; 17888 MW; 10A1E22545746FE3 CRC64;

Query Match          100.0%; Score 31; DB 16; Length 164;
Best Local Similarity 45.5%; Pred. No. 3.2e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
   |||||:|:|:|:|
Db 87 EEVVPBGKQPA 97

RESULT 21
Q8XCW6 PRELIMINARY; PRT; 165 AA.
AC Q8XCW6;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE SpT protein.
GN SPRT OR 24289 OR ECS3820.
OS Escherichia coli O157:H7.
OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
OC Escherichia.
OX NCBI_TaxID=83334;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=O157:H7 / EDL933 / ATCC 700927;

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RX MEDLINE=21074935; PubMed=11206551;
RA Perna N.T., Plunkett G. III, Burland V., Mau B., Glasner J.D.,
RA Rose D.J., Mayhew G.F., Evans P.S., Gregor J., Kirkpatrick H.A.,
RA Postai G., Hackett J., Klink S., Boutin A., Shao Y., Miller L.,
RA Grobeck E.J., Davis N.W., Lim A., Dimalanta E.T., Potamousis K.,
RA Apodaca J., Anantharaman T.S., Lin J., Yen G., Schwartz D.C.,
RA Welch R.A., Blattner F.R.;
RT "Genome sequence of enterohaemorrhagic Escherichia coli O157:H7."
RL Nature 409:529-533(2001).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=O157:H7 / RIMD 0509952;
RX MEDLINE=21156331; PubMed=11258796;
RA Hayashi T., Makino K., Ohnishi M., Kurokawa K., Ishii K., Yokoyama K.,
RA Han C.-G., Ohtsubo E., Nakayama K., Murata T., Tanaka M., Tobe T.,
RA Iida T., Takami H., Honda T., Sasakawa C., Ogasawara N., Yasunaga T.,
RA Kuhara S., Shiba T., Hattori M., Shinagawa H.;
RT "Complete genome sequence of enterohaemorrhagic Escherichia coli
RT O157:H7 and genomic comparison with a laboratory strain K-12."
RL DNA Res. 8:11-22(2001).
DR EMBL; AE005525; AAG58075.1; -.
DR EMBL; AP002563; BAB37243.1; -.
DR InterPro; IPR00130; Zn_MTpeptidse.
DR PROSITE; PS00142; ZINC_PROTEASE; UNKNOWN_1.
KW Complete proteome.
SQ SEQUENCE 165 AA; 19252 MW; E414A3989BD721A9 CRC64;

Query Match          100.0%; Score 31; DB 16; Length 165;
Best Local Similarity 45.5%; Pred. No. 3.2e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
   |||||:|:|:|:|
Db 73 EEVVPHELAHL 83

RESULT 22
Q97SZ6 PRELIMINARY; PRT; 185 AA.
AC Q97SZ6;
DT 01-OCT-2001 (TrEMBLrel. 18, Created)
DT 01-OCT-2001 (TrEMBLrel. 18, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Flavoprotein.
GN SP0165.
OS Streptococcus pneumoniae.
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;
OC Streptococcaceae; Streptococcus.
OX NCBI_TaxID=1313;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=TIGR4;
RX MEDLINE=21357209; PubMed=11463916;
RA Tettelin H., Nelson K.E., Paulsen I.T., Eisen J.A., Read T.D.,
RA Peterson S., Heidelberg J., DeBoy R.T., Haft D.H., Dodson R.J.,
RA Durkin A.S., Gwinn M., Kolonay J.F., Nelson W.C., Peterson J.D.,
RA Umayam L.A., White O., Salzberg S.L., Lewis M.R., Radune D.,
RA Holtzapple E., Khouri H., Wolf A.M., Utterback T.R., Hansen C.L.,
RA McDonald L.A., Feldblyum T.V., Angiuoli S., Dickinson T., Hickey E.K.,
RA Holt I.E., Loftus B.J., Yang F., Smith H.O., Venter J.C.,
RA Dougherty B.A., Morrison D.A., Hollingshead S.K., Fraser C.M.;
RT "Complete genome sequence of a virulent isolate of Streptococcus
RT pneumoniae."
RL Science 293:498-506(2001).
DR EMBL; AE007332; AAK74347.1; -.
DR TIGR; SP0165; -.
DR InterPro; IPR003382; Flavoprotein.
DR Pfam; PF02441; Flavoprotein; 1.
KW Complete proteome.
SQ SEQUENCE 185 AA; 21038 MW; 1E55EEDD00493524 CRC64;

Query Match          100.0%; Score 31; DB 16; Length 185;
Best Local Similarity 45.5%; Pred. No. 3.6e+02;

```



Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 63 EEVVPVLPY 73

## RESULT 23

Q8RE64

ID Q8RE64 PRELIMINARY; PRT; 197 AA.

AC Q8RE64;

DT 01-JUN-2002 (TREMBlrel. 21, Created)

DT 01-JUN-2002 (TREMBlrel. 21, Last sequence update)

DE Uracil-DNA glycosylase.

GN FN1259.

OS Fusobacterium nucleatum (subsp. nucleatum).

OC Bacteria; Fusobacteria; Fusobacterium.

OX NCBI\_TaxID=76856;

RN [1]

RP STRAIN=ATCC 2586;

RX MEDLINE=21886394; PubMed=11889109;

RA Kapatral V., Anderson I., Ivanova N., Reznik G., Los T., Lykidis A.,

RA Bhattacharya A., Bartman A., Gardner W., Grechkin G., Zhu L.,

RA Vasileva O., Chu L., Kogan Y., Chaga O., Goltzman E., Bernal A.,

RA Larsen N., D'Souza M., Walunas T., Pusch G., Haselkorn R.,

RA Fontein M., Kyrpides N., Overbeek R.;

RT "Genome sequence and analysis of the oral bacterium Fusobacterium

RT nucleatum strain ATCC 2586.";

RL J. Bacteriol. 184:2005-2018(2002).

DR EMBL; AE010631; AAL95455.1; -.

KW Complete proteome.

SQ SEQUENCE 197 AA; 23058 MW; 987F2B0F2CA4590B CRC64;

## Query Match

Best Local Similarity 100.0%; Score 31; DB 16; Length 197;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:||||:  
 Db 181 EEVPTLDMV 191

## RESULT 24

Q8TTX1

ID Q8TTX1 PRELIMINARY; PRT; 200 AA.

AC Q8TTX1;

DT 01-JUN-2002 (TREMBlrel. 21, Created)

DT 01-JUN-2002 (TREMBlrel. 21, Last sequence update)

DE Formylmethanofuran dehydrogenase, subunit E.

GN FMDE OR MA0304.

OS Methanosarcina acetivorans.

OC Archaea; Euryarchaeota; Methanococci; Methanosarcinales;

OC Methanosarcinaceae; Methanosarcina.

OX NCBI\_TaxID=2214;

RN [1]

RP SEQUENCE FROM N.A.

RC STRAIN=C2A / ATCC 35395 / DSM 2834;

RX MEDLINE=21929760; PubMed=11932238;

RA Galagan J.E., Nusbaum C., Roy A., Endrizzi M.G., Macdonald P.,

RA FitzHugh W., Calvo S., Engels R., Smirnov S., Atnoor D., Brown A.,

RA Allen N., Naylor J., Stange-Thomann N., DeArelano K., Johnson R.,

RA Linton L., McEwan P., McKernan K., Talanas J., Tirrell A., Ye W., A.M.,

RA Zimmer A., Barber R.D., Cann I., Graham D.E., Guss A.M.,

RA Hedderich R., Ingram-Smith C., Kuettner H.C., Krzycki J.A.,

RA Leigh J.A., Li W., Liu J., Mukhopadhyay B., Reeve J.N., Smith K.,

RA Springer T.A., Unayam L.A., White O., White R.H., de Macario E.C.,

RA Ferry J.G., Jarrell K.F., Jing H., Macario A.J.L., Paulsen I.,

RA Pritchett M., Sowers K.R., Swanson R.V., Zinder S.H., Lander E.,

RA Metcalf W.W., Birren B.;

RT "The genome of Methanosarcina acetivorans reveals extensive metabolic

RT and physiological diversity.";

RL Genome Res. 12:532-542(2002).

DR EMBL; AE010689; AAM03757.1; -.

KW Complete proteome.

SQ SEQUENCE 200 AA; 22453 MW; D4B4B92A2CEEE6C59 CRC64;

## Query Match

Best Local Similarity 100.0%; Score 31; DB 17; Length 200;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:||||:  
 Db 145 EEVVPILLAA 155

## RESULT 25

Q25985

ID Q25985 PRELIMINARY; PRT; 201 AA.

AC Q25985;

DT 01-NOV-1996 (TREMBlrel. 01, Created)

DT 01-NOV-1996 (TREMBlrel. 01, Last sequence update)

DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)

DE Beta-galactosidase fusion protein (Fragment).

OS Plasmodium falciparum.

OC Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.

OX NCBI\_TaxID=5833;

RN [1]

RP SEQUENCE FROM N.A.

RX MEDLINE=85012681; PubMed=6090935;

RA Koenen M., Scherf A., Mercereau O., Langsley G.W., Sibilli L.,

RA Dubois P., Pereira da Silva L., Mueller-Hill B.;

RT "Human antisera detect a Plasmodium falciparum genomic clone encoding

RT a nonapeptide repeat.";

RL Nature 311:382-385(1984).

DR EMBL; M32153; AAA29711.1; -.

FT NON\_TER 1

FT NON\_TER 201

SQ SEQUENCE 201 AA; 22867 MW; 5080C6163E78BE2F CRC64;

## Query Match

Best Local Similarity 100.0%; Score 31; DB 5; Length 201;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:||||:  
 Db 5 EEVVPDELVEE 15

## RESULT 26

Q95KZ7

ID Q95KZ7 PRELIMINARY; PRT; 208 AA.

AC Q95KZ7;

DT 01-DEC-2001 (TREMBlrel. 19, Created)

DT 01-DEC-2001 (TREMBlrel. 19, Last sequence update)

DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)

DE AlphaS1-casein.

OS Equus caballus (Horse).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Perissodactyla; Equidae; Equus.

OX NCBI\_TaxID=9796;

RN [1]

RP SEQUENCE FROM N.A.

RA Milenkovic D., Martin P., Guerin G., Leroux C.;

RT "Horse specific pattern of alphaS1-casein RNA splicing and genomic

RT characterization of the relevant locus.";

RL Submitted (Aug-2001) to the EMBL/GenBank/DBJ databases.

DR EMBL; AY049939; AAL05435.1; -.

DR InterPro; IPR001588; Casein.

DR PROSITE; PS00306; CASEIN.ALPHA.BETA; UNKNOWN.1.

SQ SEQUENCE 208 AA; 24689 MW; 0CC6C409489C589C CRC64;

## Query Match

Best Local Similarity 100.0%; Score 31; DB 6; Length 208;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 97 EEVVPINTEKR 107

## RESULT 27

Q8SPR1 ID Q8SPR1 PRELIMINARY; PRT; 212 AA.  
AC Q8SPR1;  
DT 01-JUN-2002 (TREMBLrel. 21, Created)  
DT 01-JUN-2002 (TREMBLrel. 21, Last sequence update)  
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)  
DE Alpha sl casein.  
OS Equus caballus (Horse).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Perissodactyla; Equidae; Equus.  
OX NCBI\_TaxID=9796;  
RN [1]  
RP SEQUENCE FROM N.A.  
RA Lenasi T., Rogelj I., Dovc P.;  
RT "Equus caballus alpha-sl-casein (asi-CN) mRNA.";  
RL Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AY040862; AAK83668.1; -.  
SQ SEQUENCE 212 AA; 25305 MW; 578F72EA76E26E6E CRC64;

Query Match 100.0%; Score 31; DB 6; Length 212;  
Best Local Similarity 45.5%; Pred. No. 4.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 89 EEVVPINTEQK 99

## RESULT 28

Q9L577 ID Q9L577 PRELIMINARY; PRT; 222 AA.  
AC Q9L577;  
DT 01-OCT-2000 (TREMBLrel. 15, Created)  
DT 01-OCT-2000 (TREMBLrel. 15, Last sequence update)  
DT 01-DEC-2001 (TREMBLrel. 19, Last annotation update)  
DE Pspa (Fragment).  
GN PSPA.  
OS Streptococcus pneumoniae.  
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;  
OC Streptococcaceae; Streptococcus.  
OX NCBI\_TaxID=1313;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX STRAIN=130;  
RX MEDLINE=20472698; PubMed=11015380;  
RA Beall B., Gherardi G., Facklam R.R., Hollingshead S.K.;  
RT "Pneumococcal pspsA Sequence Types of Prevalent Multiresistant  
RT Pneumococcal Strains in the United States and of Internationally  
RT Disseminated Clones.";  
RL J. Clin. Microbiol. 38:3663-3669(2000).  
DR EMBL; AF255550; AAF68103.1; -.  
DR InterPro; IPR002965; P-rich\_extensn.  
DR PRINTS; PR01217; PRICHEXTENS.  
FT NON\_TER 1 1  
FT NON\_TER 222 222  
SQ SEQUENCE 222 AA; 24558 MW; 6D7EB7842FE9F2A6 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 222;  
Best Local Similarity 45.5%; Pred. No. 4.4e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 3 EEVVPQAKIAE 13

## RESULT 29

Q01680 ID Q01680 PRELIMINARY; PRT; 224 AA.  
AC Q01680;  
DT 01-NOV-1996 (TREMBLrel. 01, Created)  
DT 01-NOV-1996 (TREMBLrel. 01, Last sequence update)  
DT 01-MAR-2002 (TREMBLrel. 20, Last annotation update)  
DE Plasma membrane H(+)-ATPase (Fragment).  
GN PMA.  
OS Pneumocystis carinii.  
OC Eukaryota; Fungi; Ascomycota; Pneumocystidomycetes; Pneumocystidaceae;  
OC Pneumocystis.  
OX NCBI\_TaxID=4754;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=PROTOTYPE;  
RA Garbe T.R., Stringer J.R.;  
RT "Molecular characterization of P. carinii antigens in natural  
RT infection.";  
RL Submitted (NOV-1994) to the EMBL/GenBank/DBJ databases.  
DR EMBL; U17118; AAG67759.1; -.  
DR InterPro; IPR001757; ATPase\_E1-E2.  
DR InterPro; IPR004014; Cation\_ATPase.  
DR InterPro; IPR002048; EF-hand.  
DR Pfam; PF00690; Cation\_ATPase\_N; 1.  
DR Pfam; PF00122; E1-E2\_ATPase; 1.  
DR PROSITE; PS00018; EF\_HAND; UNKNOWN\_1.  
FT NON\_TER 1 1  
FT NON\_TER 224 224  
SQ SEQUENCE 224 AA; 24702 MW; 0D185921B960FC9E CRC64;

Query Match 100.0%; Score 31; DB 3; Length 224;  
Best Local Similarity 45.5%; Pred. No. 4.4e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 151 EEVVPDILQL 161

## RESULT 30

Q9Z195 ID Q9Z195 PRELIMINARY; PRT; 237 AA.  
AC Q9Z195;  
DT 01-MAY-1999 (TREMBLrel. 10, Created)  
DT 01-MAY-1999 (TREMBLrel. 10, Last sequence update)  
DT 01-MAR-2002 (TREMBLrel. 20, Last annotation update)  
DE Putative response regulator.  
GN RRP3.  
OS Lactobacillus sakei.  
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;  
OC Lactobacillaceae; Lactobacillus.  
OX NCBI\_TaxID=1599;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=23K;  
RA Morel-Deville F., Fauvel F., Morel P.;  
RL Submitted (DEC-1997) to the EMBL/GenBank/DBJ databases.  
CC -1- SIMILARITY: TO OTHER BACTERIAL REGULATORY PROTEINS INVOLVED IN  
CC SIGNAL TRANSDUCTION.  
DR EMBL; AF036966; AAD10263.1; -.  
DR HSSP; P08402; 1B00.  
DR InterPro; IPR001789; Response\_reg.  
DR InterPro; IPR001867; Trans\_reg\_C.  
DR Pfam; PF00072; response\_reg; 1.  
DR Pfam; PF00486; trans\_reg\_C; 1.  
DR ProDom; PD000039; Response\_reg; 1.  
DR ProDom; PD000329; Trans\_reg\_C; 1.  
DR SMART; SM00448; REC; 1.  
KW DNA-binding; Phosphorylation; Sensory transduction;  
KW Transcription regulation.  
SQ SEQUENCE 237 AA; 27312 MW; 1A2A18C4803B5AE1 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 237;  
 Best Local Similarity 45.5%; Pred. No. 4.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 43 EEVVPDLILLD 53

## RESULT 31

ID Q9PGT4 PRELIMINARY; PRT; 240 AA.  
 AC Q9PGT4;  
 DT 01-OCT-2000 (TrEMBLrel. 15, Created)  
 DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)  
 DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
 DE Hypothetical protein XF0214.  
 GN XF0214.  
 OS Xylella fastidiosa.  
 OC Bacteria; Proteobacteria; gamma subdivision; Xanthomonas group;  
 OC Xylella.  
 OX NCHI\_TaxID=2371;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=9A5C;  
 RX MEDLINE=20365717; PubMed=10910347;  
 RA Simpson A.J.G., Reinach F.C., Arruda P., Abreu F.A., Acencio M.,  
 RA Alvarenga R., Alves L.M.C., Araya J.E., Baia G.S., Baptista C.S.,  
 RA Barros M.H., Bonaccorsi E.D., Bordin S., Bove J.M., Briones M.R.S.,  
 RA Bueno M.R.P., Camargo A.A., Camargo L.E.A., Carraro D.M., Carrer H.,  
 RA Colauto N.B., Colombo C., Costa F.F., Costa M.C.R., Costa-Neto C.M.,  
 RA Coutinho L.L., Cristofani M., Dias-Neto E., Docena C., El-Dorri H.,  
 RA Facincani A.P., Ferreira A.J.S., Ferreira V.C.A., Ferro J.A.,  
 RA Fraga J.S., Franca S.C., Franco M.C., Frohme M., Furlan L.R.,  
 RA Garier M., Goldman G.H., Goldman M.H.S., Gomes S.L., Gruber A.,  
 RA Ho P.L., Hohelsel J.D., Junqueira M.L.S., Kemper E.L., Kitajima J.P.,  
 RA Krieger J.E., Kuramae E.E., Laigret F., Lambais M.R., Leite L.C.C.,  
 RA Lenos E.G.M., Lemos M.V.F., Lopes S.A., Lopes C.R., Machado J.A.,  
 RA Machado M.A., Madeira A.M.B.N., Madeira H.M.F., Marino C.L.,  
 RA Marques M.V., Martins E.A.L., Martins E.M.F., Matsukuma A.Y.,  
 RA Menck C.F.M., Miracca E.C., Miyaki C.Y., Monteiro-Vitorello C.B.,  
 RA Moon D.H., Nagai M.A., Nascimento A.L.T.O., Netto L.E.S.,  
 RA Nhani A. Jr., Nobrega F.G., Nunes L.R., Oliveira M.A.,  
 RA de Oliveira M.C., de Oliveira R.C., Palmieri D.A., Paris A.,  
 RA Pelxoto B.R., Pereira G.A.G., Pereira H.A. Jr., Pesquero J.B.,  
 RA Quaggio R.B., Roberto P.G., Rodrigues V., de Rosa A.J.M.,  
 RA de Rosa V.E. Jr., de Sa R.G., Santelli R.V., Sawasaki H.E.,  
 RA da Silva A.C.R., da Silva A.M., da Silva F.R., Silva W.A. Jr.,  
 RA da Silveira J.F., Silvestri M.L.Z., Siqueira W.J., de Souza A.A.,  
 RA de Souza A.P., Terenzi M.F., Truffi D., Tsai S.M., Tsubako M.H.,  
 RA Vallada H., Van Sluys M.A., Verjovsky-Almeida S., Vettore A.L.,  
 RA Zago M.A., Zatz M., Meidanis J., Setubal J.C.;  
 RT "The genome sequence of the plant pathogen Xylella fastidiosa.";  
 RL Nature 406:151-159(2000).  
 DR EMBL; AE003875; AAF83027.1; -;  
 DR InterPro; IPR001454; Hignase/Hydrlase.  
 DR Pfam; PF00702; Hydrolase; 1.  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 240 AA; 26624 MW; E924B73D4DCFE48E CRC64;

Query Match 100.0%; Score 31; DB 16; Length 240;  
 Best Local Similarity 45.5%; Pred. No. 4.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 144 EEVVPVIGSSI 154

## RESULT 32

ID Q9V208 PRELIMINARY; PRT; 250 AA.

AC Q9V208;  
 DT 01-MAY-2000 (TrEMBLrel. 13, Created)  
 DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Glycerophosphoryl diester phosphodiesterase (EC 3.1.4.46).  
 GN PAB0180.  
 OS Pyrococcus abyssi.  
 OC Archaea; Euryarchaeota; Thermococci; Thermococcales; Thermococcaceae;  
 OX PYROCOCCUS.  
 OX NCHI\_TaxID=29292;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=ORSAY;  
 RA Heilig R.;  
 RT "Pyrococcus abyssi genome sequence: insights into archaeal chromosome structure and evolution.";  
 RL Submitted (JUL-1999) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AJ248283; CAB49190.1; -;  
 DR InterPro; IPR004129; GDPD.  
 DR InterPro; IPR000909; PI\_PLC\_Xdom.  
 DR Pfam; PF03009; GDPD; 1.  
 DR PROSITE; PS50007; PIPLC\_X\_DOMAIN; 1.  
 KW Complete proteome.  
 SQ SEQUENCE 250 AA; 28784 MW; B7B267B3219150F8 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 250;  
 Best Local Similarity 45.5%; Pred. No. 5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 156 EEVVPMPKLK 166

## RESULT 33

ID Q93VE7 PRELIMINARY; PRT; 266 AA.  
 AC Q93VE7;  
 DT 01-DEC-2001 (TrEMBLrel. 19, Created)  
 DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)  
 DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
 DE ALG76820/F28016.19.  
 OS Arabidopsis thaliana (Mouse-ear cress).  
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
 OC eurosids II; Brassicales; Brassicaceae; Arabidopsis.  
 OX NCHI\_TaxID=3702;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Kim C.J., Chen H., Cheuk R., Koesema E., Meyers M.C., Banh J.,  
 RA Bowser L., Carninci P., Dale J.M., Goldsmith A.D., Hayashizaki Y.,  
 RA Ishida J., Jiang P.X., Jones T., Kamiya A., Karlin-Neumann G.,  
 RA Kawai J., Lam B., Lee J.M., Lin J., Liu S.X., Miranda M., Narusaka M.,  
 RA Nguyen M., Onodera C.S., Palm C.J., Pham P.K., Quach H.L., Sakurai T.,  
 RA Satou M., Seki M., Southwick A., Tang C.C., Toriumi M., Yamada K.,  
 RA Yamamura Y., Yu G., Yu S., Shinozaki K., Davis R.W., Theologis A.,  
 RA Ecker J.R.;  
 RT "Arabidopsis ORF clones.";  
 RL Submitted (SEP-2001) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RA Kim C.J., Chen H., Cheuk R., Koesema E., Meyers M.C., Shinn P.,  
 RA Banh J., Bowser L., Carninci P., Chung M.K., Goldsmith A.D.,  
 RA Hayashizaki Y., Ishida J., Jones T., Kamiya A., Karlin-Neumann G.,  
 RA Kawai J., Lam B., Lee J.M., Lin J., Liu S.X., Miranda M., Narusaka M.,  
 RA Nguyen M., Pham P.K., Pham P.K., Quach H.L., Sakurai T.,  
 RA Satou M., Seki M., Southwick A., Tang C.C., Toriumi M., Yamada K.,  
 RA Yu G., Shinozaki K., Davis R.W., Theologis A., Ecker J.R.;  
 RT "Arabidopsis cDNA clones.";  
 RL Submitted (MAY-2001) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AY056096; AAL06984.1; -;  
 DR EMBL; AF380861; AAK55742.1; -;  
 SQ SEQUENCE 266 AA; 29717 MW; C7030BE94F04F257 CRC64;

Query Match 100.0%; Score 31; DB 10; Length 266;  
 Best Local Similarity 45.5%; Pred. No. 5.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 DB 86 EEVVPDPAFVG 96

## RESULT 34

Q9FAG9 PRELIMINARY; PRT; 267 AA.  
 AC Q9FAG9;  
 DT 01-MAR-2001 (TrEMBLrel. 16, Created)  
 DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)  
 DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
 DE DNA-directed RNA polymerase subunit D (EC 2.7.7.6) (Fragment).  
 GN rpoD.  
 OS Pseudomonas alcaligenes.  
 OC Bacteria; Proteobacteria; gamma subdivision; Pseudomonadaceae;  
 OC Pseudomonas.  
 OX NCBI\_TaxID=43263;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=IFO 14159;  
 RX MEDLINE=20476413; PubMed=11021915;  
 RA Yamamoto S., Kasai H., Arnold D.L., Jackson R.W., Vivian A.,  
 RA Harayama S.;  
 RT "Phylogeny of the genus Pseudomonas: intragenomic structure  
 RT reconstructed from the nucleotide sequences of gyrB and rpoD genes."  
 RL Microbiology 146:2385-2394(2000).  
 DR EMBL; AB039606; BAB17576.1; -;  
 DR HSSP; P00579; 1SIG.  
 KW DNA-directed RNA polymerase; Nucleotidyltransferase; Transferase.  
 FT NON\_TER 1  
 FT NON\_TER 267  
 SQ SEQUENCE 267 AA; 29232 MW; 5A58E7C77D1DB90D CRC64;

Query Match 100.0%; Score 31; DB 2; Length 267;  
 Best Local Similarity 45.5%; Pred. No. 5.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 DB 69 EEVVPKLKAT 79

## RESULT 35

O29554 PRELIMINARY; PRT; 273 AA.  
 AC O29554;  
 DT 01-JAN-1998 (TrEMBLrel. 05, Created)  
 DT 01-JAN-1998 (TrEMBLrel. 05, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Hypothetical protein AF0704.  
 GN AF0704.  
 OS Archaeoglobus fulgidus.  
 OC Archaea; Euryarchaeota; Archaeoglobi; Archaeoglobales;  
 OC Archaeoglobaceae; Archaeoglobus.  
 OX NCBI\_TaxID=2234;  
 RN [1]  
 RP SEQUENCE FROM N.A.

RC STRAIN=VC-16 / DSM 4304 / ATCC 49558;  
 RX MEDLINE=98049343; PubMed=9389475;  
 RA Klenk H.-P., Clayton R.A., Tomb J.-P., White O., Nelson K.E.,  
 RA Ketchum K.A., Dodson R.J., Gwinn M., Hickey E.K., Peterson J.D.,  
 RA Richardson D.L., Kerlavage A.R., Graham D.E., Kyripides N.C.,  
 RA Fleischmann R.D., Quackenbush J., Lee N.H., Sutton G.G., Gill S.,  
 RA Kirkness E.F., Dougherty B.A., McKenney K., Adams M.D., Loftus B.,  
 RA Peterson S., Reich C.I., McNeil L.K., Badger J.H., Glodek A., Zhou L.,  
 RA Overbeek R., Gocayne J.D., Weidman J.F., McDonald L., Utterback T.,  
 RA Cotton M.D., Spriggs T., Artiach P., Kaine B.P., Sykes S.M.,

RA Sadow P.W., D'Andrea K.P., Bowman C., Fujii C., Garland S.A.,  
 RA Mason T.M., Olsen G.J., Fraser C.M., Smith H.O., Woese C.R.,  
 RA Venter J.C.;  
 RT "The complete genome sequence of the hyperthermophilic, sulphate-  
 RT reducing archaeon Archaeoglobus fulgidus."  
 RL Nature 390:364-370(1997).  
 DR EMBL; AE001056; AAB90537.1; -;  
 DR TIGR; AF0704; -;  
 DR InterPro; IPR000051; SAM\_bind.  
 DR InterPro; IPR003402; Unk\_Met10.  
 DR Pfam; PF02475; Met\_10; 1.  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 273 AA; 31580 MW; C56AB5A45A4EDEC7 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 273;  
 Best Local Similarity 45.5%; Pred. No. 5.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 DB 181 EEVVPQLSGQF 191

## RESULT 36

Q8TY71 PRELIMINARY; PRT; 279 AA.  
 AC Q8TY71;  
 DT 01-JUN-2002 (TrEMBLrel. 21, Created)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Diaminopimelate epimerase.  
 GN DAPF OR MK0434.  
 OS Methanopyrus kandleri.  
 OC Archaea; Euryarchaeota; Methanopyri; Methanopyrales; Methanopyraceae;  
 OC Methanopyrus.  
 OX NCBI\_TaxID=2320;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=AV19 / DSM 6324 / JCM 9639;  
 RX MEDLINE=21927647; PubMed=11930014;  
 RA Slesarev A.I., Mezheva K.V., Makarova K.S., Polushin N.N.,  
 RA Shcherbinina O.V., Shakhova V.V., Belova G.I., Aravind L.,  
 RA Natile D.A., Rogozin I.B., Tatusov R.L., Wolf Y.I., Stetter K.O.,  
 RA Malykh A.G., Koonin E.V., Kozlovskiy S.A.;  
 RT "The complete genome of hyperthermophile Methanopyrus kandleri AV19  
 RT and monophyly of archaeal methanogens."  
 RL Proc. Natl. Acad. Sci. U.S.A. 99:4644-4649(2002).  
 DR EMBL; AE010338; AAM01649.1; -;  
 KW Complete proteome.  
 SQ SEQUENCE 279 AA; 30994 MW; 64603E6D480EAB6D CRC64;

Query Match 100.0%; Score 31; DB 17; Length 279;  
 Best Local Similarity 45.5%; Pred. No. 5.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 DB 21 EEVVPESDRPD 31

## RESULT 37

Q9TVN2 PRELIMINARY; PRT; 280 AA.  
 AC Q9TVN2;  
 DT 01-MAY-2000 (TrEMBLrel. 13, Created)  
 DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)  
 DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
 DE Y48G10A.1 protein.  
 GN Y48G10A.1.  
 OS Caenorhabditis elegans.  
 OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;  
 OC Rhabditidae; Peloderinae; Caenorhabditis.  
 OX NCBI\_TaxID=6239;

```

RN [1]
RP SEQUENCE FROM N.A.
RA White S.;
RU Submitted (MAY-1999) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=99069613; PubMed=9851916;
RA none;
RT "Genome sequence of the nematode C.elegans: A platform for
RL Science 282:2012-2018(1998).
RN [3]
RP SEQUENCE FROM N.A.
RA Harris B.R.;
RL Submitted (OCT-1999) to the EMBL/GenBank/DBJ databases.
DR EMBL; AL110500; CAB63414.1; -.
DR EMBL; AL132847; CAB63414.1; JOINED.
DR EMBL; AL132847; CAB60384.2; -.
DR EMBL; AL110500; CAB60384.2; JOINED.
DR InterPro; IPR000801; Esterase_put.
DR Pfam; PF00756; Esterase_1.
SQ SEQUENCE 280 AA; 31248 MW; B1FD6128BB007E36 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 280;
Best Local Similarity 45.5%; Pred. No. 5.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : : :
Db 130 EEVVPVAPID 140

RESULT 38
Q8YUM6 PRELIMINARY; PRT; 281 AA.
AC Q8YUM6;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE Hypothetical protein Al12314.
GN AL12314.
OS Anabaena sp. (strain PCC 7120).
OC Bacteria; Cyanobacteria; Nostocales; Nostocaceae; Nostoc.
OX NCBI_TaxID=103690;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21595285; PubMed=11759840;
RA Kaneko T., Nakamura Y., Wolk C.P., Kuritz T., Sasamoto S.,
RA Watanabe A., Iriguchi M., Ishikawa A., Kawashima K., Kimura T.,
RA Kishida Y., Kohara M., Matsumoto M., Matsuno A., Muraki A.,
RA Nakazaki N., Shimpo S., Sugimoto M., Takazawa M., Yamada M.,
RA Yasuda M., Tabata S.;
RT "Complete genomic sequence of the filamentous nitrogen-fixing
RT cyanobacterium Anabaena sp. strain PCC 7120."
RL DNA Res. 8:205-213(2001).
DR EMBL; AP003589; BAB74013.1; -.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 281 AA; 31785 MW; 01A6B4C8DAF5E5EC CRC64;

Query Match 100.0%; Score 31; DB 16; Length 281;
Best Local Similarity 45.5%; pred. No. 5.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : : :
Db 186 EEVVPVGIYTL 196

RESULT 39
Q8XRK0 PRELIMINARY; PRT; 282 AA.
ID Q8XRK0
AC Q8XRK0;

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DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE Hypothetical protein RSP0831.
GN RSP0831 OR RS05364.
OS Ralstonia solanacearum (Pseudomonas solanacearum).
OG Plasmid megaplasmid.
OC Bacteria; Proteobacteria; beta subdivision; Ralstonia group;
OC Ralstonia.
OX NCBI_TaxID=305;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=GM11000;
RX MEDLINE=21681879; PubMed=11823852;
RA Salanoubat M., Genin S., Artiguenave F., Gouzy J., Mangenot S.,
RA Arlat M., Billault A., Brottier P., Camus J.C., Cattolico L.,
RA Chandler M., Choisme N., Claudel-Renard C., Cunnac S., Demange N.,
RA Gaspin C., Lavie M., Moisan A., Robert C., Saurin W., Schiex T.,
RA Sigulier P., Thebault P., Whalen M., Wincker P., Levy M.,
RA Weissenbach J., Boucher C.A.;
RT "Genome sequence of the plant pathogen Ralstonia solanacearum."
RL Nature 415:497-502(2002).
DR EMBL; AL646081; CAD17982.1; -.
KW Plasmid; Hypothetical protein; Complete proteome.
SQ SEQUENCE 282 AA; 30832 MW; 5BD6F0F3EB31AE1C CRC64;

Query Match 100.0%; Score 31; DB 16; Length 282;
Best Local Similarity 45.5%; Pred. No. 5.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : : :
Db 62 EEVVPCLADA 72

RESULT 40
Q8TXR5 PRELIMINARY; PRT; 289 AA.
ID Q8TXR5;
AC Q8TXR5;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Predicted archaea-specific methyltransferase.
GN MK0595.
OS Methanopyrus kandleri.
OC Archaea; Euryarchacota; Methanopyri; Methanopyrales; Methanopyraceae;
OC Methanopyrus.
OX NCBI_TaxID=2320;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=AV19 / DSM 6324 / JCM 9639;
RX MEDLINE=21927647; PubMed=11930014;
RA Slesarev A.I., Mezheva K.V., Makarova K.S., Polushin N.N.,
RA Shcherbinina O.V., Shakhova V.V., Belova G.I., Aravind L.,
RA Natile D.A., Kogozin I.B., Tatusov R.L., Wolf Y.I., Stetter K.O.,
RA Malykh A.G., Koonin E.V., Kozyavkin S.A.;
RT "The complete genome of hyperthermophile Methanopyrus kandleri AV19
RT and monophyly of archaeal methanogens."
RL Proc. Natl. Acad. Sci. U.S.A. 99:4644-4649(2002).
DR EMBL; AE010353; AM01810.1; -.
KW Transferase; Methyltransferase; Complete proteome.
SQ SEQUENCE 289 AA; 32322 MW; EC50405B643C43C8 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 289;
Best Local Similarity 45.5%; Pred. No. 5.8e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : : :
Db 194 EEVVPULDEF 204

RESULT 41

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Q932R7
ID Q932R7 PRELIMINARY; PRT; 290 AA.
AC Q932R7;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DE 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Alkane-1-monooxygenase (Fragment).
GN ALKB
OS Pseudomonas aeruginosa.
OC Bacteria; Proteobacteria; gamma subdivision; Pseudomonadaceae;
OC Pseudomonas.
OX NCBI_TaxID=287;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=UMI-88, AND UMI-89;
RA Beihaj A., Desnoues N., Elmerich C.;
RT "Distribution of alkane hydroxylase genes (alkB) in Pseudomonas
RT aeruginosa isolated from a zone polluted with hydrocarbons.";
RL Submitted (AUG-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AJ344079; CAC86944.1; -
DR EMBL; AJ344083; CAC86947.1; -
DR InterPro; IPR001225; FA_desaturase.
DR Pfam; PF00487; FA_desaturase; 1.
KW Monooxygenase.
FT NON_TER 1
FT NON_TER 290
SQ SEQUENCE 290 AA; 33386 MW; EAFIA67702F31116F CRC64;

Query Match 100.0%; Score 31; DB 2; Length 290;
Best Local Similarity 45.5%; Pred. No. 5.8e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 48 EEVVPKLEKER 58

RESULT 42
Q8UKB7
ID Q8UKB7 PRELIMINARY; PRT; 302 AA.
AC Q8UKB7;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DE 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Transcriptional regulator, LysR family.
GN ATU5206 OR AGR_PAF_286.
OS Agrobacterium tumefaciens (strain C58 / ATCC 33970).
OG Plasmid AT.
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;
OC Rhizobiaceae; Rhizobium.
OX NCBI_TaxID=176299;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21608550; PubMed=11743193;
RA Wood D.W., Setubal J.C., Kaul R., Monks D.E., Kitajima J.P.,
RA Okura V.K., Zhou Y., Chen L., Wood G.E., Almeida N.F. Jr., Woo L.,
RA Chen Y., Paulsen I.T., Eisen J.A., Karp P.D., Bovee D. Sr.,
RA Chapman P., Clendenning J., Deatherage G., Gillet W., Grant C.,
RA Kutayavin T., Levy R., Li M.-J., McClelland E., Palmieri A.,
RA Raymond C., Rouse G., Saenphimmachak C., Wu Z., Romero P., Gordon D.,
RA Zhang S., Yoo H., Tao Y., Biddle P., Jung M., Krespan W., Perry M.,
RA Gordon-Kamm B., Liao L., Kim S., Hendrick C., Zhao Z.-Y., Dolan M.,
RA Chumley F., Tingey S.V., Tomb J.-F., Gordon M.P., Olson M.V.,
RA Nester E.W.;
RT "The genome of the natural genetic engineer Agrobacterium tumefaciens
RT C58.";
RL Science 294:2317-2323(2001).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=21608551; PubMed=11743194;
RA Goodner B., Hinkle G., Gattung S., Miller N., Blanchard M.,
RA Quriollo B., Goldman B.S., Cao Y., Askenazi M., Halling C., Mullin L.,
RA Houmlel K., Gordon J., Vaudin M., Tartchouk O., Epp A., Liu F.,

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RA Wollam C., Allinger M., Doughty D., Scott C., Lappas C., Markelz B.,
RA Flanagan C., Crowell C., Gurson J., Lomo C., Sear C., Strub G.,
RA Cielo C., Slater S.;
RT "Genome sequence of the plant pathogen and biotechnology agent
RT Agrobacterium tumefaciens C58.";
RL Science 294:2323-2328(2001).
DR EMBL; AE008943; AAL45895.1; ALT_INIT.
DR EMBL; AE007891; AAK90577.1; -
KW Plasmid; Complete proteome.
SQ SEQUENCE 302 AA; 33089 MW; A742E250D74F1620 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 302;
Best Local Similarity 45.5%; Pred. No. 6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 260 EEVVPGYSHAG 270

RESULT 43
Q9UFE0
ID Q9UFE0 PRELIMINARY; PRT; 303 AA.
AC Q9UFE0;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DE 01-MAY-2000 (TrEMBLrel. 13, Last annotation update)
DE Hypothetical 32.3 kDa protein (Fragment).
GN DKFZP434G107.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=TESTIS;
RA Koehrer K., Beyer A., Mewes H.W., Gassenhuber J., Wiemann S.;
RL Submitted (NOV-1999) to the EMBL/GenBank/DBJ databases.
DR EMBL; AL133029; CAB61361.1; -
KW Hypothetical protein.
FT NON_TER 1
FT NON_TER 303
SQ SEQUENCE 303 AA; 32345 MW; 7446B22C98E48DB9 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 303;
Best Local Similarity 45.5%; Pred. No. 6.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 214 EEVVPALPTE 224

RESULT 44
Q8TYW2
ID Q8TYW2 PRELIMINARY; PRT; 305 AA.
AC Q8TYW2;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DE 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Coenzyme F420-reducing hydrogenase, gamma subunit.
GN MK0179.
OS Methanopyrus kandleri.
OC Archaea; Euryarchaeota; Methanopyri; Methanopyrales; Methanopyraceae;
OC Methanopyrus.
OX NCBI_TaxID=2320;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=AV19 / DSM 6324 / JCM 9639;
RX MEDLINE=21927647; PubMed=11930014;
RA Slesarev A.I., Mezheva K.V., Makarova K.S., Polushin N.N.,
RA Shcherbinina O.V., Shakhova V.V., Belova G.I., Aravind L.,
RA Natale D.A., Rogozin I.B., Tatusov R.L., Wolf Y.I., Stetter K.O.,
RA Malykh A.G., Koonin E.V., Kozlyavkin S.A.;

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RT "The complete genome of hyperthermophile Methanopyrus kandleri AV19  
 RT and monophyly of archaeal methanogens."  
 RL Proc. Natl. Acad. Sci. U.S.A. 99:4644-4649(2002).  
 DR EMBL: AE010317; AN01396.1; -.  
 KW Complete proteome.  
 SQ SEQUENCE 305 AA; 33099 MW; 0A5F5FA78D051125 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 305;  
 Best Local Similarity 45.5%; Pred. No. 6.1e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXXX 11  
 |||||:||||:  
 Db 125 EEEVPPDFGVV 135

## RESULT 45

O29676  
 ID O29676 PRELIMINARY; PRT; 307 AA.  
 AC O29676;  
 DT 01-JAN-1998 (TrEMBLrel. 05, Created)  
 DT 01-JAN-1998 (TrEMBLrel. 05, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Hypothetical protein AF0579.  
 GN AF0579.  
 OS Archaeoglobus fulgidus.  
 OC Archaea; Euryarchaeota; Archaeoglobi; Archaeoglobales;  
 OC Archaeoglobaceae; Archaeoglobus.  
 ON NCBI\_TaxID=2234;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=VC-16 / DSM 4304 / ATCC 49558;  
 RX MEDLINE=98049343; PubMed=9389475;  
 RA Klenk H.-P., Clayton R.A., Tomb J.-F., White O., Nelson K.E.,  
 RA Ketchum K.A., Dodson R.J., Gwinn M., Hickey E.K., Peterson J.D.,  
 RA Richardson D.L., Kerlavage A.R., Graham D.E., Kyrpides N.C.,  
 RA Fleischmann R.D., Quackenbush J., Lee N.H., Sutton G.G., Gill S.,  
 RA Kirkness E.F., Dougherty B.A., McKenney K., Adams M.D., Loftus B.,  
 RA Peterson S., Reich C.I., McNeil L.K., Badger J.H., Glodek A., Zhou L.,  
 RA Overbeek R., Gocayne J.D., Weidman J.F., McDonald L., Utterback T.,  
 RA Cotton P.W., Spriggs T., Artlich P., Kaine B.P., Sykes S.M.,  
 RA Sadow P.W., D'Andrea K.P., Bowman C., Fujii C., Garland S.A.,  
 RA Mason T.M., Olsen G.J., Fraser C.M., Smith H.O., Woese C.R.,  
 RA Venter J.C.;

RT "The complete genome sequence of the hyperthermophilic, sulphate-  
 RT reducing archaeon Archaeoglobus fulgidus."  
 RL Nature 390:364-370(1997).  
 DR EMBL: AE001064; AAB90662.1; -.  
 DR TIGR: AF0579; -.  
 DR InterPro: IPR003661; His\_KinA.  
 DR InterPro: IPR004359; His\_Kin\_sig.  
 DR InterPro: IPR000014; PAS\_domain.  
 DR Pfam: PF00512; signal; 1.  
 DR SMART: SM00388; HSKA; 1.  
 DR SMART: SM00091; PAS; 1.  
 DR TIGRFAMS: TIGR00229; sensory\_box; 1.  
 KW Hypothetical protein: Complete proteome.  
 SQ SEQUENCE 307 AA; 35198 MW; 81BDA40506D5486D CRC64;

Query Match 100.0%; Score 31; DB 17; Length 307;  
 Best Local Similarity 45.5%; Pred. No. 6.1e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXXX 11  
 |||||:||||:  
 Db 39 EEEVPPDAVGKY 49

## RESULT 46

Q9NMJ9  
 ID Q9NMJ9 PRELIMINARY; PRT; 309 AA.  
 AC Q9NMJ9;  
 DT 01-OCT-2000 (TrEMBLrel. 15, Created)

DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)  
 DT 01-OCT-2000 (TrEMBLrel. 15, Last annotation update)  
 DE CDNA FLJ20793 f1s, clone COL00343.  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 ON NCBI\_TaxID=9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC TISSUE=COLON;  
 RA Kawabata A., Hikiiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,  
 RA Okitani R., Ota T., Suzuki Y., Obayashi M., Nishi T., Shibahara T.,  
 RA Tanaka T., Nakamura Y., Isogai T., Sugano S.;  
 RT "NEDO human cDNA sequencing project."  
 RL Submitted (FEB-2000) to the EMBL/GenBank/DBJ databases.  
 DR EMBL: AK000800; BAA91381.1; -.  
 SQ SEQUENCE 309 AA; 35443 MW; 89D8D2CC9F62A22A CRC64;

Query Match 100.0%; Score 31; DB 4; Length 309;  
 Best Local Similarity 45.5%; Pred. No. 6.2e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXXX 11  
 |||||:||||:  
 Db 40 EEEVPEYVTLK 50

## RESULT 47

Q82B39  
 ID Q82B39 PRELIMINARY; PRT; 311 AA.  
 AC Q82B39;  
 DT 01-MAR-2002 (TrEMBLrel. 20, Created)  
 DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Aspartate carboxymethyltransferase catalytic subunit (EC 2.1.3.2).  
 GN PYR OR YPO3588.  
 OS Yersinia pestis.  
 OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;  
 OC Yersinia;  
 ON NCBI\_TaxID=632;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=CO-92 / BIOVAR ORIENTALIS;  
 RX MEDLINE=21470413; PubMed=11586360;  
 RA Parkhill J., Wren B.W., Thomson N.R., Titball R.W., Holden M.T.G.,  
 RA Prentice M.B., Sebaihia M., James K.D., Churcher C., Mungall K.L.,  
 RA Baker S., Basham D., Bentley S.D., Brooks K., Cerdeno-Tarraga A.M.,  
 RA Chillingworth T., Cronin A., Davies R.M., Davis P., Dougan G.,  
 RA Feltwell T., Hamlin N., Holroyd S., Jagels K., Karlyshev A.V.,  
 RA Leather S., Moule S., Oyston P.C.F., Quail M., Rutherford K.,  
 RA Simmonds M., Skelton J., Stevens K., Whitehead S., Barrell B.G.;  
 RT "Genome sequence of Yersinia pestis, the causative agent of plague."  
 RL Nature 413:523-527(2001).  
 DR EMBL: AJ414157; CAC92816.1; -.  
 DR InterPro: IPR002029; Asp/Orn\_Cotransf.  
 DR InterPro: IPR002082; Asp\_carbmttransf.  
 DR Pfam: PF00185; OTCace; 1.  
 DR Pfam: PF02729; OTCace.N; 1.  
 DR PRINTS: PR00100; AOTCASE.  
 DR TIGRFAMS: TIGR00670; asp\_carb\_tr; 1.  
 DR PROSITE: PS00097; CARBAMOYLTRANSFERASE; UNKNOWN\_1.  
 KW Transferase; Complete proteome.  
 SQ SEQUENCE 311 AA; 34559 MW; FE76627210B30444 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 311;  
 Best Local Similarity 45.5%; Pred. No. 6.2e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXXX 11  
 |||||:||||:  
 Db 217 EEEVPELDILY 227

## RESULT 48

Q9RV16 ID Q9RV16 PRELIMINARY; PRT; 316 AA.  
 AC Q9RV16;  
 DT 01-MAY-2000 (TRENBLrel. 13, Created)  
 DT 01-MAY-2000 (TRENBLrel. 13, Last sequence update)  
 DT 01-JUN-2002 (TRENBLrel. 21, Last annotation update)  
 DE Acetyl-CoA carboxylase carboxyl transferase, alpha subunit.  
 GN DR1214.  
 OS Deinococcus radiodurans.  
 OC Bacteria; Thermus/deinococcus group; Deinococci; Deinococcales;  
 OC Deinococcaceae; Deinococcus.  
 OX NCBI\_TaxID=1299;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=R1;  
 RX MEDLINE=20036896; PubMed=10567266;  
 RA White O., Eisen J.A., Heidelberg J.F., Hickey E.K., Peterson J.D.,  
 RA Dodson R.J., Haft D.H., Gwinn M.L., Nelson W.C., Richardson D.L.,  
 RA Moffat K.S., Qin H., Jiang L., Pamphile W., Crosby M., Shen M.,  
 RA Vamathevan J.J., Lam P., McDonald L., Uterback T., Zaleski C.,  
 RA Makarova K.S., Aravind L., Daly M.J., Minton K.W., Fleischmann R.D.,  
 RA Ketchum K.A., Nelson K.E., Salzberg S., Smith H.O., Venter J.C.,  
 RA Fraser C.M.;  
 RT "Genome sequence of the radioresistant bacterium Deinococcus  
 radiodurans R1";  
 RL Science 286:1571-1577(1999).  
 DR EMBL; AE001970; AAF10787.1; -;  
 DR TIGR; DR1214; -;  
 DR InterPro; IPR001095; Ac-CoA\_carboxylA.  
 DR Pfam; PF03255; ACQA; 1.  
 DR PRINTS; PRO1069; ACCCTRFRASEA.  
 DR TIGRFAMS; TIGR00513; acca; 1.  
 KW Transferase; Complete proteome.  
 SQ SEQUENCE 316 AA; 34263 MW; DC37CFCB864CC0F7 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 316;  
 Best Local Similarity 45.5%; Pred. No. 6.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|||||

DB 259 EEVVPPEPPGGA 269

## RESULT 49

Q9M9U8 ID Q9M9U8 PRELIMINARY; PRT; 325 AA.  
 AC Q9M9U8;  
 DT 01-OCT-2000 (TRENBLrel. 15, Created)  
 DT 01-OCT-2000 (TRENBLrel. 15, Last sequence update)  
 DT 01-DEC-2001 (TRENBLrel. 19, Last annotation update)  
 DE F6A14.12 protein.  
 GN F6A14.12.  
 OS Arabidopsis thaliana (Mouse-ear cress).  
 OC Eukaryota; Viridiplantae; Streptophyta;  
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
 OC eurosids II; Brassicales; Brassicaceae; Arabidopsi.  
 OX NCBI\_TaxID=3702;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Federspiel N.A., Palm C.J., Conway A.B., Conn L., Hansen N.F.,  
 RA Altafi H., Araujo R., Huizar L., Rowley D., Buehler E., Dunn P.,  
 RA Gonzalez A., Kremenetskaia I., Kim C., Lenz C., Li J., Liu S.,  
 RA Lueros S., Schwartz J., Shinn P., Toriumi M., Vysotskaia V.S.,  
 RA Walker M., Yu G., Ecker J., Theologis A., Davis R.W.;  
 RL Submitted (JAN-2000) to the EMBL/GenBank/DBJ databases.  
 CC -!- SIMILARITY: CONTAINS 1 RING-TYPE ZINC FINGER.  
 DR EMBL; AC011809; AAF27102.1; -;  
 DR InterPro; IPR001841; Znf\_ring.  
 DR Pfam; PF00097; zfc3HC4; 1.  
 DR SMART; SM00184; RING; 1.

DR PROSITE; PS00226; IF; UNKNOWN\_1.  
 KW Zinc-finger.  
 SQ SEQUENCE 325 AA; 36919 MW; 837FDB7F28F2B615 CRC64;

Query Match 100.0%; Score 31; DB 10; Length 325;  
 Best Local Similarity 45.5%; Pred. No. 6.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|||||

DB 169 EEVVPFGLPY 179

## RESULT 50

Q9SIL3 ID Q9SIL3 PRELIMINARY; PRT; 337 AA.  
 AC Q9SIL3;  
 DT 01-MAY-2000 (TRENBLrel. 13, Created)  
 DT 01-MAY-2000 (TRENBLrel. 13, Last sequence update)  
 DT 01-MAR-2002 (TRENBLrel. 20, Last annotation update)  
 DE Putative heat shock protein (At2g20560/T13C7.15).  
 GN AT2G20560.  
 OS Arabidopsis thaliana (Mouse-ear cress).  
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
 OC eurosids II; Brassicales; Brassicaceae; Arabidopsi.  
 OX NCBI\_TaxID=3702;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=CV. COLUMBIA;  
 RX MEDLINE=20083487; PubMed=10617197;  
 RA Lin X., Kaul S., Rounsley S.D., Shea T.P., Benito M.-I., Town C.D.,  
 RA Fujii C.-Y., Mason T.M., Bowman C.L., Barnstead M.E., Feldblyum T.V.,  
 RA Buehl C.R., Ketchum K.A., Lee J.-J., Ronning C.M., Koo H., Moffat K.S.,  
 RA Cronin L.A., Shen M., VanAken S.E., Umayan L., Tallon L.J., Gill J.E.,  
 RA Adams M.D., Carrera A.J., Creasy T.H., Goodman H.M., Somerville C.R.,  
 RA Copenhaver G.P., Preuss D., Nierman W.C., White O., Eisen J.A.,  
 RA Salzberg S.L., Fraser C.M., Venter J.C.;  
 RT "Sequence and analysis of chromosome 2 of the plant Arabidopsis  
 thaliana";  
 RL Nature 402:761-768(1999).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=CV. COLUMBIA;  
 RA Lin X.;  
 RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RA Cheuk R., Chen H., Kim C.J., Koesema E., Meyers M.C., Banh J.,  
 RA Bowser L., Carninci P., Dale J.M., Goldsmith A.D., Hayashizaki Y.,  
 RA Ishida J., Jiang P.X., Jones T., Kamiya A., Karlin-Neumann G.,  
 RA Kawai J., Lam B., Lee J.M., Lin J., Liu S.X., Miranda M., Narusaka M.,  
 RA Nguyen M., Onodera C.S., Palm C.J., Pham P.K., Quach H.L., Sakurai T.,  
 RA Satou M., Seki M., Southwick A., Tang C.C., Toriumi M., Yamada K.,  
 RA Yamamura Y., Yu G., Yu S., Shinozaki K., Davis R.W., Theologis A.,  
 RA Ecker J.R.;  
 RT "Arabidopsis cDNA clones";  
 RL Submitted (SEP-2001) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AC007109; AAD25656.1; -;  
 DR EMBL; AY057555; AAL09794.1; -;  
 DR HSSP; P25685; 1HDJ.  
 DR InterPro; IPR002939; DnaJ\_C.  
 DR InterPro; IPR001623; DnaJ\_N.  
 DR InterPro; IPR003095; Hsp\_DnaJ.  
 DR Pfam; PF00226; DnaJ; 1.  
 DR Pfam; PF01556; DnaJ\_C; 1.  
 DR PRINTS; PR00625; DNAJPROTEIN.  
 DR SMART; SM00271; DnaJ; 1  
 DR PROSITE; PS00636; DNAJ\_1; 1.  
 DR PROSITE; PS50076; DNAJ\_2; 1.  
 KW Heat shock.  
 SQ SEQUENCE 337 AA; 37109 MW; 4438049D4C4ACCC0 CRC64;



Query Match 100.0%; Score 31; DB 10; Length 337;  
 Best Local Similarity 45.5%; Pred. No. 6.8e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 292 EEVVPKGMPL 302

RESULT 51

O49457 PRELIMINARY; PRT; 348 AA.  
 AC O49457;  
 DT 01-JUN-1998 (TrEMBLrel. 06, Created)  
 DT 01-JUN-1998 (TrEMBLrel. 06, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Heat-shock protein.  
 GN F2109.160 OR AT4G28480 OR F2009.160.  
 OS Arabidopsis thaliana (Mouse-ear cress).  
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
 OC eurosids II; Brassicales; Brassicaceae; Arabidopsids.  
 OX NCBI\_TaxID=3702;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Bevan M., Koetter P., Hempel S., Entian K.-D., Hoheisel J.,  
 RA Mewes H.W., Mayer K., Schueller C.;  
 RL Submitted (FEB-1998) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RA Rose M., Hempel S., Entian K.-D., Mewes H.W., Lemcke K., Mayer K.F.X.;  
 RA Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RA EU Arabidopsids sequencing project;  
 RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.  
 RN [4]  
 RP SEQUENCE FROM N.A.  
 RA Nguyen M., Karlin-Neumann G., Southwick A., Lam B., Miranda M.,  
 RA Palm C.J., Bowser L., Jones T., Banh J., Carninci P., Chen H.,  
 RA Cheuk R., Chung M.K., Hayashizaki Y., Ishida J., Kamiya A., Kawai J.,  
 RA Kim C., Lin J., Liu S.X., Narusaka M., Pham P.K., Sakano H.,  
 RA Sakurai T., Satou M., Seki M., Shinn P., Yamada K., Shinozaki K.,  
 RA Ecker J., Theologis A., Davis R.W.;  
 RL Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.  
 RN [5]  
 RP SEQUENCE FROM N.A.  
 RA Southwick A., Karlin-Neumann G., Nguyen M., Lam B., Miranda M.,  
 RA Palm C.J., Bowser L., Jones T., Banh J., Carninci P., Chen H.,  
 RA Cheuk R., Chung M.K., Hayashizaki Y., Ishida J., Kamiya A., Kawai J.,  
 RA Kim C., Lin J., Liu S.X., Narusaka M., Pham P.K., Sakano H.,  
 RA Sakurai T., Satou M., Seki M., Shinn P., Yamada K., Shinozaki K.,  
 RA Ecker J., Theologis A., Davis R.W.;  
 RL Submitted (FEB-2002) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AL021749; CAAB16887.1; -  
 DR EMBL; AL161572; CAB79650.1; -  
 DR EMBL; AY042845; AAK68785.1; -  
 DR EMBL; AY081523; AAM10085.1; -  
 DR HSPF; P25685; IHDJ.  
 DR InterPro; IPR002939; DnaJ\_C.  
 DR InterPro; IPR001623; DnaJ\_N.  
 DR Pfam; PF00226; DnaJ; 1.  
 DR Pfam; PF01556; DnaJ\_C; 1.  
 DR SMART; SM00271; DnaJ; 1.  
 DR PROSITE; PS00636; DnaJ\_1; 1.  
 DR PROSITE; PS00076; DnaJ\_2; 1.  
 SQ SEQUENCE 348 AA; 38191 MW; 858412B672751D6A CRC64;

Query Match 100.0%; Score 31; DB 10; Length 348;  
 Best Local Similarity 45.5%; Pred. No. 7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

Db 303 EEVVPKGMPL 313  
 |||||:||||:  
 RESULT 52

O97NJ6 PRELIMINARY; PRT; 363 AA.  
 AC O97NJ6;  
 DT 01-OCT-2001 (TrEMBLrel. 18, Created)  
 DT 01-OCT-2001 (TrEMBLrel. 18, Last sequence update)  
 DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
 DE Hypothetical protein SP2031.  
 GN SP2031.  
 OS Streptococcus pneumoniae.  
 OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;  
 OC Streptococcaceae; Streptococcus.  
 OX NCBI\_TaxID=1313;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=TIGR4;  
 RX MEDLINE=21357209; PubMed=11463916;  
 RA Tettelin H., Nelson K.E., Paulsen I.T., Eisen J.A., Read T.D.,  
 RA Peterson S., Heidelberg J., DeBoy R.T., Haft D.H., Dodson R.J.,  
 RA Durkin A.S., Gwinn M., Kolonay J.F., Nelson W.C., Petersen J.D.,  
 RA Umayam L.A., White O., Salzberg S.L., Lewis M.R., Radune D.,  
 RA Holtzapfel E., Khouri H., Wolf A.M., Utterback T.R., Hansen C.L.,  
 RA McDonald L.A., Feldblyum T.V., Angiuoli S., Dickinson T., Hickey E.K.,  
 RA Holt I.E., Loftus B.J., Yang F., Smith H.O., Venter J.C.;  
 RA Dougherty B.A., Morrison D.A., Hollingshead S.K., Fraser C.M.;  
 RT "Complete genome sequence of a virulent isolate of Streptococcus pneumoniae";  
 RL Science 293:498-506(2001).  
 DR EMBL; AE007492; AAK76096.1; -  
 DR TIGR; SP2031; -  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 363 AA; 41685 MW; 4217DBEBFC899F7 CRC64;  
 Query Match 100.0%; Score 31; DB 16; Length 363;  
 Best Local Similarity 45.5%; Pred. No. 7.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 30 EEVVPKGMPL 40

RESULT 53

O9X888 PRELIMINARY; PRT; 367 AA.  
 AC O9X888;  
 DT 01-NOV-1999 (TrEMBLrel. 12, Created)  
 DT 01-NOV-1999 (TrEMBLrel. 12, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Putative oxidoreductase.  
 GN SCO3296 OR SCE15.13C.  
 OS Streptomyces coelicolor.  
 OC Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;  
 OC Actinomycetales; Streptomycetaceae; Streptomyces.  
 OX NCBI\_TaxID=1902;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=A3(2);  
 RA Murphy L., Harris D.;  
 RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=A3(2);  
 RA Bentley S.D., Parkhill J., Barrell B.G., Rajandream M.A.;  
 RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=A3(2);  
 RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.  
 RX MEDLINE=97000351; PubMed=8843436;

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RA Redenbach M., Kieser H.M., Denapaita D., Eichner A., Cullum J.,
RA Kinashi H., Hopwood D.A.;
RT "A set of ordered cosmids and a detailed genetic and physical map for
RT the 8 Mb Streptomyces coelicolor A3(2) chromosome.";
RL Mol. Microbiol. 21:77-96(1996).
RN [4]
RP SEQUENCE FROM N.A.
RC STRAIN=A3(2) / M145;
RA Bentley S.D., Chater K.F., Cerdeno-Tarraga A.-M., Challis G.L.,
RA Thomson N.R., James K.D., Harris D.E., Quail M.A., Kieser H.,
RA Harper D., Bateman A., Brown S., Chandra G., Chen C.W., Collins M.,
RA Cronin A., Fraser A., Goble A., Hidalgo J., Hornsby T., Howarth S.,
RA Huang C.-H., Kieser T., Larke L., Murphy L., Oliver K., O'Neil S.,
RA Rabinowitz E., Rajandream M.A., Rutherford K., Rutter S.,
RA Seeger K., Saunders D., Sharp S., Squares R., Squares S., Taylor K.,
RA Warren T., Wietzorrek A., Woodward J., Barrell B.G., Parkhill J.,
RA Hopwood D.A.;
RT "Complete genome sequence of the model actinomycete Streptomyces
RT coelicolor A3(2).";
RL Nature 417:141-147(2002).
DR EMBL; AL049707; CAB41282.1; -.
DR InterPro; IPR002103; Bac_luciferase.
DR Pfam; PF00296; bac_luciferase; 1.
SQ SEQUENCE 367 AA; 40904 MW; 1944C15C51A9B485 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 367;
Best Local Similarity 45.5%; Pred. No. 7.4e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 325 EEVVPVIREEF 335

RESULT 54
Q8T292
ID Q8T292 PRELIMINARY; PRT; 367 AA.
AC Q8T292;
DT 01-JUN-2002 (TREMBlrel. 21, Created)
DT 01-JUN-2002 (TREMBlrel. 21, Last sequence update)
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)
DE Predicted GTPase of the Y1qf family.
GN MK0045.
OS Methanopyrus kandleri.
OC Archaea; Euryarchaeota; Methanopyri; Methanopyrales; Methanopyraceae;
OC Methanopyrus.
OX NCBI_TaxID=2320;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=AV19 / DSM 6324 / JCM 9639;
RX MEDLINE=21927647; PubMed=11930014;
RA Slesarev A.I., Mezhevaia K.V., Makarova K.S., Polushin N.N.,
RA Shcherbinina O.V., Shakhova V.V., Belova G.I., Aravind L.,
RA Natalie D.A., Rogozin I.B., Tatusov R.L., Wolf Y.I., Stetter K.O.,
RA Malykh A.G., Koonin E.V., Kozyavkin S.A.;
RT "The complete genome of hyperthermophile Methanopyrus kandleri AV19
RT and monophyly of archaeal methanogens.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:4644-4649(2002).
DR EMBL; AB010305; AA001262.1; -.
KW Complete proteome.
SQ SEQUENCE 367 AA; 41278 MW; 83C8971A4743E698 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 367;
Best Local Similarity 45.5%; Pred. No. 7.4e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 278 EEVVPGEIPPS 288

RESULT 55
P72239

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ID P72239 PRELIMINARY; PRT; 379 AA.
AC P72239;
DT 01-FEB-1997 (TREMBlrel. 02, Created)
DT 01-FEB-1997 (TREMBlrel. 02, Last sequence update)
DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)
DE CFA-beta-ketoacylsynthase.
GN CFA3.
OS Pseudomonas syringae (pv. glycinea).
OC Bacteria; Proteobacteria; gamma subdivision; Pseudomonadaceae;
OC Pseudomonas.
OX NCBI_TaxID=318;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=GLYCINEA;
RX MEDLINE=97149295; PubMed=8996103;
RA Penfold C.N., Bender C.L., Turner J.G.;
RT "Characterisation of genes involved in biosynthesis of coronafacic
RT acid, the polyketide component of the phytotoxin coronatine.";
RL Gene 183:167-173(1996).
DR EMBL; U56980; AAB41300.1; -.
DR HSSP; P73283; 1ESM.
DR InterPro; IPR000794; Ketoacyl-synt.
DR Pfam; PF00109; ketoacyl-synt; 1.
DR Pfam; PF02801; ketoacyl-synt_C; 1.
SQ SEQUENCE 379 AA; 39691 MW; 629745BCE98DA0B1 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 379;
Best Local Similarity 45.5%; Pred. No. 7.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 88 EEVVPVLTASY 98

RESULT 56
Q9NKR4
ID Q9NKR4 PRELIMINARY; PRT; 379 AA.
AC Q9NKR4;
DT 01-OCT-2000 (TREMBlrel. 15, Created)
DT 01-OCT-2000 (TREMBlrel. 15, Last sequence update)
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)
DE Serine threonine protein kinase 4.
GN STPK4.
OS Leishmania major.
OC Eukaryota; Euklenozoa; Kinetoplastida; Trypanosomatidae; Leishmania.
OX NCBI_TaxID=5664;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=FRIEDLIN;
RA Myler P.J., Sisk E., Hixson G., Kiser P., Rickel E., Hassebrock M.,
RA Cawthra J., Marsolini F., Sunkin S., Stuart K.D.;
RL Submitted (FEB-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AC005893; AAF31035.1; -.
DR HSSP; P24941; 1A01.
DR InterPro; IPR000719; Euk_pkinase.
DR InterPro; IPR001245; Tyr_pkinase.
DR Pfam; PF00069; pkinase; 1.
DR ProDom; PD000001; Euk_pkinase; 1.
DR PROSITE; PS00107; PROTEIN_KINASE_ATP; 1.
DR PROSITE; PS50011; PROTEIN_KINASE_DOM; 1.
DR PROSITE; PS00109; PROTEIN_KINASE_TYR; UNKNOWN_1.
KW ATP-binding; Transrase.
SQ SEQUENCE 379 AA; 42715 MW; 56AB69779B74E8DC CRC64;

Query Match 100.0%; Score 31; DB 5; Length 379;
Best Local Similarity 45.5%; Pred. No. 7.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 356 EEVVPVFEEDL 366

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RESULT 57
O49362
ID O49362 PRELIMINARY; PRT; 384 AA.
AC O49362;
DT 01-JUN-1998 (Tremblrel. 06, Created)
DT 01-JUN-1998 (Tremblrel. 06, Last sequence update)
DT 01-JUN-2002 (Tremblrel. 21, Last annotation update)
DE Hypothetical 44.0 kDa protein.
GN F10W6.70 OR AT4G32290.
OS Arabidopsis thaliana (Mouse-ear cress).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
OC eurosids II; Brassicales; Brassicaceae; Arabidopsis.
OX NCBI_TaxID=3702;
RN [1]
RP SEQUENCE FROM N.A.
RA Bevan M., Weichselgartner M., Fartmann B., Granderath K., Dauner D.,
RA Herzi A., Neumann S., Hohlseil J., Mewes H.W., Mayer K., Schueller C.;
RL Submitted (FEB-1998) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RA Weichselgartner M., Fartmann B., Granderath K., Dauner D., Herzi A.,
RA Neumann S., Mewes H.W., Lemcke K., Mayer K.F.X.;
RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.
RN [3]
RP SEQUENCE FROM N.A.
RA EU Arabidopsis sequencing project;
RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AL021811; CAAL6961.1; -.
DR EMBL; AL161580; CAB99947.1; -.
DR InterPro; IPR004949; DUF266.
DR Pfam; PF03267; DUF266; 1.
KW Hypothetical protein.
SQ SEQUENCE 384 AA; 44041 MW; 84A4B8EADD86EF5D CRC64;

Query Match 100.0%; Score 31; DB 10; Length 384;
Best Local Similarity 45.5%; Pred. No. 7.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 318 EEVPELVRL 328

RESULT 58
O9UKN3
ID O9UKN3 PRELIMINARY; PRT; 386 AA.
AC O9UKN3;
DT 01-MAY-2000 (Tremblrel. 13, Created)
DT 01-MAY-2000 (Tremblrel. 13, Last sequence update)
DT 01-JUN-2002 (Tremblrel. 21, Last annotation update)
DE MIL1 protein.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Zenskova M.Y., Lilly M., Escher A.P.;
RT "Mili, a novel human gene encoding mitochondria located protein
RT promoting cell survival.";
RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF146568; AAF03602.1; -.
DR InterPro; IPR000712; Bcl2_BH.
DR InterPro; IPR002475; BCL2_family.
DR Pfam; PF00452; Bcl-2; 1.
DR SMART; SM00337; BCL; 1.
DR PROSITE; PS0062; BCL2_FAMILY; 1.
SQ SEQUENCE 386 AA; 41726 MW; B8F2B17507D81BC7 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 386;
Best Local Similarity 45.5%; Pred. No. 7.8e+02;

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Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 297 EEVVPALPTE 307

RESULT 59
O9RJH6
ID O9RJH6 PRELIMINARY; PRT; 386 AA.
AC O9RJH6;
DT 01-MAY-2000 (Tremblrel. 13, Created)
DT 01-MAY-2000 (Tremblrel. 13, Last sequence update)
DT 01-JUN-2002 (Tremblrel. 21, Last annotation update)
DE Hypothetical protein SC00564.
GN SC00564 OR SCF73.11C.
OS Streptomyces coelicolor.
OC Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;
OC Actinomycetales; Streptomycineae; Streptomycetaceae; Streptomyces.
OX NCBI_TaxID=1902;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-A3(2) / M145;
RA Bentley S.D., Chater K.F., Cerdeno-Tarraga A.-M., Challis G.L.,
RA Thomson N.R., James K.D., Harris D.E., Quail M.A., Kieser H.,
RA Harper D., Bateman A., Brown S., Chandra G., Chen C.W., Collins M.,
RA Cronin A., Fraser A., Goble A., Hidalgo J., Hornsby T., Howarth S.,
RA Huang C.-H., Kieser T., Larke L., Murphy L., Oliver K., O'Neill S.,
RA Rabinowitz E., Rajandream M.A., Rutherford K., Rutter S.,
RA Seeger K., Saunders D., Sharp S., Squares R., Squares S., Taylor K.,
RA Warren T., Wietzorrek A., Woodward J., Barrell B.G., Parkhill J.,
RA Hopwood D.A.;
RT "Complete genome sequence of the model actinomycete Streptomyces
RT coelicolor A3(2)";
RL Nature 417:141-147(2002).
DR EMBL; AL121746; CAB57416.1; -.
KW Hypothetical protein.
SQ SEQUENCE 386 AA; 43025 MW; D0B4AB2E88D9D534 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 386;
Best Local Similarity 45.5%; Pred. No. 7.8e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 270 EEVPGTLPFD 280

RESULT 60
O9EV92
ID O9EV92 PRELIMINARY; PRT; 388 AA.
AC O9EV92;
DT 01-MAR-2001 (Tremblrel. 16, Created)
DT 01-MAR-2001 (Tremblrel. 16, Last sequence update)
DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)
DE Small subunit of protein C.
GN GRDD.
OS Clostridium sticklandii.
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Clostridia;
OC Clostridiales; Clostridiaceae; Clostridium.
OX NCBI_TaxID=1511;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-DSM 519T;
RX MEDLINE=21089007; PubMed=11271425;
RA Graetzdoerffer A., Pich A., Andreesen J.R.;
RT "Molecular analysis of the grd-operon encoded proteins of the glycine
RT reductase and thiorodoxinsystem from Clostridium sticklandii.";
RL Arch. Microbiol. 175:8-18(2001).
DR EMBL; AJ276209; CAC14303.1; -.
DR InterPro; IPR003664; FA_synthetis.
DR Pfam; PF02504; FA_synthetis; 1.
SQ SEQUENCE 388 AA; 41196 MW; FC757A5F5833A0E2 CRC64;

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RP SEQUENCE FROM N.A.
RC STRAIN=BRISTOL N2;
RA Waterston R.;
RL "Direct Submission.";
RT Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; U41105; AAB82398.1; -
DR HSSP; P27796; IAFY.
DR InterPro; IPR002155; Thiolase.
DR InterPro; IPR000531; TonB_boxC.
DR Pfam; PF00108; thiolase; 1.
DR Pfam; PF02803; thiolase C; 1.
DR PROSITE; PS00098; THIOLASE_1; UNKNOWN_1.
DR PROSITE; PS00737; THIOLASE_2; 1.
DR PROSITE; PS00099; THIOLASE_3; 1.
DR PROSITE; PS00430; TONB_DEPENDENT_REC_1; UNKNOWN_1.
DR KW Hypothetical protein.
SQ SEQUENCE 390 AA; 40728 MW; FA8DB544ECB87F14 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 390;
Best Local Similarity 45.5%; Pred. No. 7.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
DB 197 EEVVPVSVKTS 207

RESULT 63
O50654 PRELIMINARY; PRT; 401 AA.
ID O50654
AC O50654;
DT 01-JUN-1998 (TrEMBLrel. 06, Created)
DT 01-JUN-1998 (TrEMBLrel. 06, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Transposase.
OS Pseudomonas glumae.
OC Bacteria; Proteobacteria; beta subdivision; Burkholderia group;
OC Burkholderia.
OC NCBI_TaxID=337;
RN [1]
RP SEQUENCE FROM N.A.
RA Takagi M., Yoneyama K.;
RT "The insertion sequence, IS2 like DNA, from Burkholderia glumae.";
RL Submitted (FEB-1998) to the EMBL/GenBank/DBJ databases.
DR EMBL; AB011023; BAA24920.1; -
DR InterPro; IPR001584; Rve.
DR InterPro; IPR002514; Transposase_8.
DR Pfam; PF00665; rve; 1.
DR Pfam; PF01527; Transposase_8; 1.
DR SQ SEQUENCE 401 AA; 45132 MW; F955879C40BAE97A CRC64;

Query Match 100.0%; Score 31; DB 2; Length 401;
Best Local Similarity 45.5%; Pred. No. 8.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
DB 65 EEVVPASELAD 75

RESULT 64
O8TX87 PRELIMINARY; PRT; 402 AA.
ID O8TX87
AC O8TX87;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Fe-S oxidoreductase family protein.
GN MK0788.
OS Methanopyrus kandleri.
OC Archaea; Euryarchaeota; Methanopyri; Methanopyrales; Methanopyraceae;
OC Methanopyrus.
OC NCBI_TaxID=2320;

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RN SEQUENCE FROM N.A.  
 RC STRAIN=AV19 / DSM 6324 / JCM 9639;  
 RX MEDLINE=21927647; PubMed=11930014;  
 RA Shesarev A.I., Mezhevaya K.V., Makarova K.S., Polushin N.N.,  
 RA Shcherbinina O.V., Shakhova V.V., Belova G.I., Aravind L.,  
 RA Tale D.A., Rogozin I.B., Tatusov R.L., Wolf Y.I., Stetter K.O.,  
 RA Malykh A.G., Koonin E.V., Kozayvkin S.A.;  
 RT "The complete genome of hyperthermophile Methanopyrus kandleri AV19  
 and monophyly of archaeal methanogens";  
 RL Proc. Natl. Acad. Sci. U.S.A. 99:4644-4649(2002).  
 DR EMBL: AE010370; AM02002.1; -;  
 KW Complete proteome.  
 SQ SEQUENCE 402 AA; 45232 MW; D06AE89B3B9A300E CRC64;  
  
 Query Match 100.0%; Score 31; DB 17; Length 402;  
 Best Local Similarity 45.5%; Pred. No. 8.1e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 Db 101 EEVPEVRL 111  
  
 RESULT 65  
 Q9VX08 PRELIMINARY; PRT; 409 AA.  
 AC Q9VX08;  
 DT 01-MAY-2000 (TrEMBLrel. 13, Created)  
 DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)  
 DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
 DE CG6769 protein (LD10434P).  
 GN CG6769.  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
 OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID=7227;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BERKELEY;  
 RX MEDLINE=20196006; PubMed=10731132;  
 RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,  
 RA Amanatides P.G., Scher S.E., Li P.W., Hoskins R.A., Galie R.F.,  
 RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,  
 RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,  
 RA Brandon R.C., Rogers Y.H.C., Blazej R.G., Champe M., Pfeiffer B.D.,  
 Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,  
 RA Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,  
 RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,  
 RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,  
 RA Borkova D., Botchan M.R., Bouck J., Brockstein P., Brotter P.,  
 RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,  
 RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,  
 RA de Pablo S., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,  
 RA Dodson K., Dou L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,  
 RA Durbin K.J., Evangelista C.C., Ferraz C., Ferrieria S., Fleischmann W.,  
 RA Fosler C., Gabriellian A.C., Garg N.S., Gelbart W.M., Glasser K.,  
 RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,  
 RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J.,  
 RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwac C.,  
 RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,  
 RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,  
 RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,  
 RA Liu X., Matti B., McIntosh T.C., McLeod M.F., McPherson D.,  
 RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,  
 RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.N., Nelson D.L.,  
 RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacle J.M.,  
 RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,  
 RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,  
 RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,  
 RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,  
 RA Svirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,

RA Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissbach J.,  
 RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,  
 RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M.C., Zhang G., Zhao Q., Zheng L.,  
 RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,  
 RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;  
 RT "The genome sequence of *Drosophila melanogaster*.";  
 RL Science 287:2185-2195(2000).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BERKELEY;  
 RC Stapleton M., Brokstein P., Hong L., Agbayani A., Carlson J.,  
 RA Champe M., Chavez C., Dorsett V., Farfan D., Frise E., George R.,  
 RA Gonzalez M., Guarin H., Li P., Liao G., Miranda A., Mungall C.J.,  
 RA Nunoo J., Pacle J., Paragas V., Park S., Phouanavong S., Wan K.,  
 RA Yu C., Lewis S.E., Rubin G.M., Celniker S.  
 RL Submitted (OCT-2001) to the EMBL/GenBank/DBJ databases.  
 DR EMBL: AE003507; AAF48775.1; -;  
 DR EMBL: AY061122; AAL28670.1; -;  
 DR FlyBase; FBgn0030878; CG6769.  
 DR InterPro; IPR000822; Znf\_C2H2.  
 DR InterPro; IPR003604; Znf\_U1.  
 DR Pfam; PF00096; zf-C2H2; 2.  
 DR SMART; SM00355; Znf\_C2H2; 3.  
 DR SMART; SM00451; Znf\_U1; 2.  
 DR PROSITE; PS00028; ZINC\_FINGER\_C2H2\_1; UNKNOWN\_2.  
 KW DNA-binding; Zinc-finger.  
 SQ SEQUENCE 409 AA; 47078 MW; 226A1AE0AFFA4E67 CRC64;  
  
 Query Match 100.0%; Score 31; DB 5; Length 409;  
 Best Local Similarity 45.5%; Pred. No. 8.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 Db 301 EEVVPDLGD 311  
  
 RESULT 66  
 Q9PDF2 PRELIMINARY; PRT; 411 AA.  
 AC Q9PDF2;  
 DT 01-OCT-2000 (TrEMBLrel. 15, Created)  
 DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Succinylornithine aminotransferase.  
 GN Xf1427.  
 OS Xylella fastidiosa.  
 OC Bacteria; Proteobacteria; gamma subdivision; Xanthomonas group;  
 OC Xylella.  
 OX NCBI\_TaxID=2371;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=9A5C;  
 RX MEDLINE=20365717; PubMed=10910347;  
 RA Simpson A.J.G., Reives F.C., Artuda P., Abreu F.A., Acencio M.,  
 RA Alvarenga R., Alves L.M.C., Araya J.E., Baia G.S., Baptista C.S.,  
 RA Barros M.H., Bonaccorsi E.D., Bordin S., Bove J.M., Briones M.R.S.,  
 RA Bueno M.R.P., Camargo A.A., Camargo L.E.A., Carraro D.M., Carrer H.,  
 RA Colauto N.B., Colombo C., Costa F.F., Costa M.C.R., Costa-Neto C.M.,  
 RA Coutinho L.P., Cristofani M., Dias-Neto E., Docena C., El-Dorfi H.,  
 RA Facincini A.P., Ferreira A.J.S., Ferreira V.C.A., Ferro J.A.,  
 RA Fraga J.S., Franca S.C., Franco M.C., Frohme M., Furlan L.R.,  
 RA Garnier M., Goldman G.H., Goldman M.H.S., Gomes S.L., Gruber A.,  
 RA Ho P.L., Hoheisel J.D., Junqueira M.L., Kemper E.L., Kitajima J.P.,  
 RA Krieger J.E., Kuramae E.E., Laigret F., Lambais M.R., Leite L.C.C.,  
 RA Lemos E.G.M., Lemos M.V.F., Lopes S.A., Lopes C.R., Machado J.A.,  
 RA Machado M.A., Madeira A.M.B.N., Madeira H.M.F., Marino C.L.,  
 RA Marques M.V., Martins E.A.L., Martins E.M.F., Matsukuma A.Y.,  
 RA Menck C.F.M., Miracca E.C., Miyaki C.Y., Monteiro-Vitorello C.B.,  
 RA Moon D.H., Nagai M.A., Nascimento A.L.T.O., Netto L.E.S.,  
 RA Nhani A. Jr., Nobrega F.G., Nunes L.R., Oliveira M.A.,  
 RA de Oliveira M.C., de Oliveira R.C., Palmieri D.A., Paris A.,  
 RA Peixoto B.R., Pereira G.A.G., Pereira H.A. Jr., Pesquero J.B.,



AC Q93HF1;  
 DT 01-DEC-2001 (TrEMBLrel. 19, Created)  
 DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)  
 DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
 DE Putative glycosyltransferase.  
 OS Streptomyces avermitilis.  
 OC Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;  
 OC Actinomycetales; Streptomycineae; Streptomycetaceae; Streptomycetes.  
 OX NCBI\_TaxID=33903;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=21477403; PubMed=11572948;  
 RA Omura S., Ikeda H., Ishikawa J., Hanamoto A., Takahashi C.,  
 RA Shinose M., Takahashi Y., Horikawa H., Nakazawa H., Osonoe T.,  
 RA Kikuchi H., Shiba T., Sakaki Y., Hattori M.;  
 RT "genome sequence of an industrial microorganism Streptomyces  
 RT avermitilis: Deducing the ability of producing secondary  
 RT metabolites."  
 RL Proc. Natl. Acad. Sci. U.S.A. 98:12215-12220(2001).  
 DR EMBL; AB070944; BAB69236.1; -;  
 KW Transferase  
 SQ SEQUENCE 423 AA; 45637 MW; BD66137D6EBDBA3 CRC64;  
 Query Match 100.0%; Score 31; DB 2; Length 423;  
 Best Local Similarity 45.5%; Pred. No. 8.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 209 EEVVPDPHDWG 219  
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 RESULT 71  
 Q9BPS3 PRELIMINARY; PRT; 423 AA.  
 AC Q9BPS3;  
 DT 01-JUN-2001 (TrEMBLrel. 17, Created)  
 DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Elongation factor 1 gamma.  
 GN EF-1G.  
 OS Bombyx mori (Silk moth).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
 OC Pterygota; Neoptera; Endopterygota; Lepidoptera; Glossata; Ditrysia;  
 OC Bombycoidea; Bombycidae; Bombyx.  
 OX NCBI\_TaxID=7091;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX TISSUE-SILK GLAND;  
 RA Kamile K., Taira H., Kobayashi K., Matsuzawa H., Nomura Y.,  
 RA Yamashita T., Kidou S., Ejiri S.;  
 RT "Expression of elongation factor 1 gamma in Escherichia coli."  
 RL Submitted (JUL-2000) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AB046361; BAB21108.1; -;  
 DR InterPro; IPR001662; EFL\_G.  
 DR InterPro; IPR004046; GST\_Cterm.  
 DR InterPro; IPR004045; GST\_Nterm.  
 DR Pfam; PF00647; EFLG\_domain; 1.  
 DR Pfam; PF00043; GST\_C; 1.  
 DR Pfam; PF02798; GST\_N; 1.  
 DR ProDom; PD006217; EFL\_G; 1.  
 DR PROSITE; PS50040; EFLG; 1.  
 SQ SEQUENCE 423 AA; 48388 MW; DBFC4864A7579FB1 CRC64;  
 Query Match 100.0%; Score 31; DB 5; Length 423;  
 Best Local Similarity 45.5%; Pred. No. 8.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 247 EEVVPDEEEE 257  
 |||||:|||||

RESULT 72  
 Q39331 PRELIMINARY; PRT; 425 AA.  
 AC Q39331;  
 DT 01-NOV-1996 (TrEMBLrel. 01, Created)  
 DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Cyclin.  
 OS Brassica napus (Rape).  
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
 OC eurosids II; Brassicales; Brassicaceae; Brassica.  
 OX NCBI\_TaxID=3708;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=WESTAR;  
 RA Szarka S.J., Fitch M., Moloney M.M.;  
 RT "Characterization of a cyclin domain containing gene family in  
 RT Brassica napus."  
 RL Submitted (NOV-1994) to the EMBL/GenBank/DBJ databases.  
 CC 1- SIMILARITY: BELONGS TO THE CYCLIN FAMILY.  
 DR EMBL; L25406; AAA51660.1; -;  
 DR HSSP; P20248; IJ5U.  
 DR InterPro; IPR004366; Cyclin.  
 DR InterPro; IPR004367; Cyclin\_Cterm.  
 DR Pfam; PF00134; cyclin; 1.  
 DR Pfam; PF02984; cyclin\_C; 1.  
 DR SMART; SM00385; CYCLIN; 2.  
 DR PROSITE; PS00292; CYCLINS; 1.  
 KW Cell cycle; Cell division; Cyclin.  
 SQ SEQUENCE 425 AA; 48020 MW; 2C2135E85C876FEA CRC64;  
 Query Match 100.0%; Score 31; DB 10; Length 425;  
 Best Local Similarity 45.5%; Pred. No. 8.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 104 EEVVPPIERKAF 114  
 |||||:|||||  
 RESULT 73  
 O58337 PRELIMINARY; PRT; 431 AA.  
 AC O58337;  
 DT 01-AUG-1998 (TrEMBLrel. 07, Created)  
 DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)  
 DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
 DE Hypothetical protein PH0580.  
 GN PH0580.  
 OS Pyrococcus horikoshii.  
 OC Archaea; Euryarchaeota; Thermococci; Thermococcales; Thermococcaceae;  
 OC Pyrococcus.  
 OX NCBI\_TaxID=53953;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=OT3;  
 RX MEDLINE=98344137; PubMed=9679194;  
 RA Kawarabayashi Y., Sawada M., Horikawa H., Haikawa Y., Hino Y.,  
 RA Yamamoto S., Sekine M., Baba S.-I., Kosugi H., Hosoyama A., Nagai Y.,  
 RA Sakai M., Ogura K., Otsuka R., Nakazawa H., Takamiya M., Ohfuku Y.,  
 RA Funahashi T., Tanaka T., Kudoh Y., Yamazaki J., Kishida N., Oguchi A.,  
 RA Aoki K.-I., Yoshizawa T., Nakamura Y., Robb F.T., Horikoshi K.,  
 RA Masuchi Y., Shizuya H., Kikuchi H.;  
 RT "Complete sequence and gene organization of the genome of a hyper-  
 RT thermophilic archaeobacterium, Pyrococcus horikoshii OT3."  
 RL DNA Res. 5:55-76(1998).  
 DR EMBL; AP000002; BAA29669.1; -;  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 431 AA; 49664 MW; D44BE4BA62E894D6 CRC64;  
 Query Match 100.0%; Score 31; DB 17; Length 431;  
 Best Local Similarity 45.5%; Pred. No. 8.7e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|||||  
 Db 348 EEVVPPLLRIR 358

RESULT 74

ID P73669 PRELIMINARY; PRT; 435 AA.

DT 01-FEB-1997 (TrEMBLrel. 02, Created)

DT 01-FEB-1997 (TrEMBLrel. 02, Last sequence update)

DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)

DE Processing protease.

GN SLI2009.

OS Synechocystis sp. (strain PCC 6803).

OC Bacteria; Cyanobacteria; Chroococcales; Synechocystis.

OX NCBI\_TaxID=1148;

RN [1]

RP SEQUENCE FROM N.A.

RX MEDLINE=97061201; PubMed=8905231;

RA Kaneko T., Sato S., Kotani H., Tanaka A., Asamizu E., Nakamura Y., Miyajima T., Hirosewa M., Suglura M., Sasamoto S., Kimura T., Hosouchi T., Matsuno A., Muraki A., Nakazaki N., Naruo K., Okumura S., Shimpo S., Takeuchi C., Wada T., Watanabe A., Yamada M., Yasuda M., Tabata S.;

RT "Sequence analysis of the genome of the unicellular cyanobacterium Synechocystis sp. strain PCC6803. II. Sequence determination of the entire genome and assignment of potential protein-coding regions.";

RL DNA Res. 3:109-136(1996).

DR EMBL; D90908; BA1714.1;

DR InterPro; IPR001431; Peptidase\_M16.

DR Pfam; PF00675; Peptidase\_M16; 1.

DW Protease; Complete proteome.

SW SEQUENCE 435 AA; 48104 MW; AB7C22AD51B756F7 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 435;

Best Local Similarity 45.5%; Pred. No. 8.8e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
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Db 166 EEVVPHTAQD 176

RESULT 75

ID Q981Y9 PRELIMINARY; PRT; 448 AA.

AC Q981Y9;

DT 01-OCT-2001 (TrEMBLrel. 18, Created)

DT 01-OCT-2001 (TrEMBLrel. 18, Last sequence update)

DT 01-OCT-2001 (TrEMBLrel. 18, Last annotation update)

DE Nitrolicetate monooxygenase component A (pC 1.14.13.).

GN MLL9178.

OS Rhizobium loti (Mesorhizobium loti).

OG plasmid pMLA.

OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;

OC Phyllobacteriaceae; Mesorhizobium.

OX NCBI\_TaxID=381;

RN [1]

RP SEQUENCE FROM N.A.

RX STRAIN=MAFF303099;

RX MEDLINE=21082930; PubMed=11214968;

RA Kaneko T., Nakamura Y., Sato S., Asamizu E., Kato T., Sasamoto S., Watanabe A., Idesawa K., Ishikawa A., Kawashima K., Kimura T., Kishida Y., Kiyokawa C., Kohara M., Matsumoto M., Matsuno A., Mochizuki Y., Nakayama S., Nakazaki N., Shimpo S., Sugimoto M., Takeuchi C., Yamada M., Tabata S.;

RT "Complete genome structure of the nitrogen-fixing symbiotic bacterium Mesorhizobium loti.";

RT DNA Res. 7:331-338(2000).

RL EMBL; AF003015; BAB54570.1;

KW Monooxygenase; Oxidoreductase; Plasmid; Complete proteome.

SQ SEQUENCE 448 AA; 50017 MW; FD8AF6B7CB28BF2D CRC64;

Query Match 100.0%; Score 31; DB 16; Length 448;

Best Local Similarity 45.5%; Pred. No. 9.1e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|||||

Db 406 EEVVPILRRR 416

RESULT 76

ID Q9V7C0 PRELIMINARY; PRT; 449 AA.

AC Q9V7C0;

DT 01-MAY-2000 (TrEMBLrel. 13, Created)

DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)

DT 01-MAY-2000 (TrEMBLrel. 13, Last annotation update)

DE CG18625 protein.

GN CG18625.

OS Drosophila melanogaster (Fruit fly).

OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;

OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;

OC Ephydroidea; Drosophilidae; Drosophila.

OX NCBI\_TaxID=7227;

RN [1]

RP SEQUENCE FROM N.A.

RC STRAIN=BERKELEY;

RX MEDLINE=20196006; PubMed=107311132;

RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D., Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F., George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N., Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X., Brandon R.C., Rogers Y.-H.C., Blazej R.G., Champe M., Pfeiffer B.D., Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G., Abril J.F., Aghavani A., An H.-J., Andrews-Pfannkoch C., Baldwin D., Ballew K.Y., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M., Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S., Borkova D., Botchan M.R., Bouck J., Brokstein P., Brotier P., Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I., Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P., de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M., Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P., Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W., Foster C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K., Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M., Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J., Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C., Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A., Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z., Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X., Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D., Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A., Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L., Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleb J.M., Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G., Reinert K., Remington K., Saunders R.D., Scheeler F., Shen H., Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T., Spier E., Spradling A.C., Stapleton M., Strong R., Sun E., Svirskaas R., Tector C., Turner R., Venter E., Wang A.H., Wang X., Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissenbach J., Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A., Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L., Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O., Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;

RT "The genome sequence of Drosophila melanogaster.";

RL Science 287:2185-2195(2000).

DR EMBL; AE003810; AAF58138.1;

DR FlyBase; FBgn0034017; CG18625.

SQ SEQUENCE 449 AA; 47559 MW; 92C1DEB3B1CC0687 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 449;



Best Local Similarity 45.5%; Pred. No. 9.1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 113 EEVVPPTQC 123

RESULT 77

Q8XAR0 PRELIMINARY; PRT; 452 AA.  
AC Q8XAR0;  
DT 01-MAR-2002 (TrEMBLrel. 20, Created)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)  
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
DE Orf, hypothetical protein.  
GN YCDT OR Z1527 OR ESI271.  
OS Escherichia coli O157:H7.  
OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;  
OC Escherichia.  
OX NCBI\_TaxID=83334;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN-O157:H7 / EDL933 / ATCC 700927;  
RX MEDLINE=21074935; PubMed=11206551;  
RA Perna N.T., Plunkett G. III, Burland V., Mau B., Glasner J.D.,  
RA Rose D.J., Mayhew G.F., Evans P.S., Gregor J., Kirkpatrick H.A.,  
RA Posfai G., Hackett J., Klink S., Boutin A., Shao Y., Miller L.,  
RA Grobeck E.J., Davis N.W., Lim A., Dimalanta E.T., Potamousis K.,  
RA Apodaca J., Anantharaman T.S., Lin J., Yen G., Schwartz D.C.,  
RA Welch R.A., Blattner F.R.;  
RT "Genome sequence of enterohaemorrhagic Escherichia coli O157:H7";  
RL Nature 409:529-533(2001).  
RN [2]  
RP SEQUENCE FROM N.A.

RC STRAIN-O157:H7 / RIMD 0509952;  
RX MEDLINE=21156231; PubMed=11258796;  
RA Hayashi T., Makino K., Ohnishi M., Kurokawa K., Ishii K., Yokoyama K.,  
RA Han C.-G., Ohtsubo E., Nakayama K., Murata T., Tanaka M., Tobe T.,  
RA Iida T., Takami H., Honda T., Sasakawa C., Ogasawara N., Yasunaga T.,  
RA Kuhara S., Shiba T., Hattori M., Shinagawa H.;  
RT "Complete genome sequence of enterohaemorrhagic Escherichia coli O157:H7 and genomic comparison with a laboratory strain K-12";  
RL DNA Res. 8:111-22(2001).  
DR EMBL: AE005302; BAG55643.1; -;  
DR EMBL: AF002554; BAB34694.1; -;  
DR InterPro: IPR000160; GGDEF.  
DR Pfam: PF00990; GGDEF; 1.  
DR SMART: SM00267; DUF1; 1.  
DR TIGRFAMs: TIGR00254; GGDEF; 1.  
KW Complete proteome.  
SQ SEQUENCE 452 AA; 51641 MW; 3318A9FC08C677ED CRC64;

Query Match 100.0%; Score 31; DB 16; Length 452;  
Best Local Similarity 45.5%; Pred. No. 9.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 35 EEVVPSTYLM 45

RESULT 78

Q9AE36 PRELIMINARY; PRT; 454 AA.  
AC Q9AE36;  
DT 01-JUN-2001 (TrEMBLrel. 17, Created)  
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)  
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
DE TonB protein.  
GN TONB.

OS Rhizobium leguminosarum.  
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;

OC Rhizobiaceae; Rhizobium.  
OX NCBI\_TaxID=384;  
RN [1]  
RP SEQUENCE FROM N.A.

RC STRAIN=8401(PRL1J1);  
RA Wexler M., Yeoman K.H., Stevens J.B., De Luca N.G., Savers G.,  
RA Johnston A.W.B.;  
RT "Rhizobium leguminosarum tonB is required for siderophore and haem uptake and is next to hmu haem uptake genes";  
RL Submitted (MAR-2001) to the EMBL/GenBank/DBJ databases.  
DR EMBL: AJ310723; CAC34389.1; -;  
DR InterPro: IPR003538; TonB.  
DR Pfam: PF03544; TonB; 1.  
DR PRINTS: PR01374; TONBPROTEIN.  
FT CHAIN 2 454 TONB.  
SQ SEQUENCE 454 AA; 48464 MW; A1AC31E8FC456095 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 454;  
Best Local Similarity 45.5%; Pred. No. 9.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 268 EEVPTAVOPT 278

RESULT 79

Q93ZG6 PRELIMINARY; PRT; 455 AA.  
ID Q93ZG6  
AC Q93ZG6;  
DT 01-DEC-2001 (TrEMBLrel. 19, Created)  
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
DE AT4g29060/F19B15\_90 (Hypothetical 48.8 kDa protein).  
GN AT4g29060.  
OS Arabidopsis thaliana (Mouse-ear cross).  
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
OC eurosids II; Brassicales; Brassicaceae; Arabidopsis.  
OX NCBI\_TaxID=3702;  
RN [1]  
RP SEQUENCE FROM N.A.  
RA Cheuk R., Chen H., Kim C.J., Koesema E., Meyers M.C., Banh J.,  
RA Bowser L., Carninci P., Dale J.M., Goldsmith A.D., Hayashizaki Y.,  
RA Ishida J., Jiang P.X., Jones T., Kamiya A., Karlin-Neumann G.,  
RA Kawai J., Lam B., Lee J.M., Lin J., Liu S.X., Miranda M., Narusaka M.,  
RA Nguyen M., Onodera C.S., Palm C.J., Pham P.K., Quach H.L., Sakurai T.,  
RA Satou M., Seki M., Southwick A., Tang C.C., Toriumi M., Yamada K.,  
RA Yamamura Y., Yu G., Yu S., Shinozaki K., Davis R.W., Theologis A.,  
RA Ecker J.R.;  
RT "Arabidopsis cDNA clones";  
RL Submitted (SEP-2001) to the EMBL/GenBank/DBJ databases.  
RN [2]  
RP SEQUENCE FROM N.A.  
RA Yamada K., Banh J., Chan M.M., Chang C.H., Chang E., Dale J.M.,  
RA Deng J.M., Goldsmith A.D., Lee J.M., Onodera C.S., Quach H.L.,  
RA Tang C., Toriumi M., Wu H.C., Yamamura Y., Yu G., Bowser L.,  
RA Carninci P., Chen H., Cheuk R., Hayashizaki Y., Ishida J., Jones T.,  
RA Kamiya A., Karlin-Neumann G., Kawai J., Kim C., Lam B., Lin J.,  
RA Meyers M.C., Miranda M., Narusaka M., Nguyen M., Palm C.J.,  
RA Sakurai T., Satou M., Seki M., Shinn P., Southwick A., Shinozaki K.,  
RA Davis R.W., Ecker J.R., Theologis A.;  
RT "Full Length cDNA of gene At4g29060 (GI:15235550).";  
RL Submitted (JAN-2002) to the EMBL/GenBank/DBJ databases.  
DR EMBL: AY057550; AAL09789.1; -;  
DR InterPro: IPR003029; S1.  
DR Pfam: PF00575; S1; 2.  
KW Hypothetical protein.  
SQ SEQUENCE 455 AA; 48827 MW; 6D344CD94549351D CRC64;

Query Match 100.0%; Score 31; DB 10; Length 455;  
Best Local Similarity 45.5%; Pred. No. 9.2e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 438 EEVVPPIPETK 448

## RESULT 80

ID Q8UYU2 PRELIMINARY; PRT; 456 AA.  
 AC Q8UYU2;  
 DT 01-MAR-2002 (TrEMBLrel. 20, Created)  
 DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Polypeptide (fragment).  
 OS Soybean mosaic virus.  
 OC Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae;  
 OC Potyvirus.  
 OC NCBI\_TaxID=12222;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=CN-18;  
 RA Choi C.W., Koo J.M., Choi B.K., Ryu K.H.;  
 RT "Proteolytic processing of E. coli-expressed PI/HC-Pro complex in  
 RT Soybean mosaic virus";  
 RL Submitted (JAN-2002) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AJ428414; CAD21440.1; -;  
 DR InterPro; IPR001456; Peptidase\_C6.  
 DR Pfam; PF00851; Peptidase\_C6; 1.  
 FT NON\_TER 1  
 FT 456 456  
 SQ SEQUENCE 456 AA; 52127 MW; 9783629F3779DFA5 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 456;  
 Best Local Similarity 45.5%; Pred. No. 9.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 223 EEVVPSEGYK 233

## RESULT 81

ID Q8R7Q9 PRELIMINARY; PRT; 473 AA.  
 AC Q8R7Q9;  
 DT 01-JUN-2002 (TrEMBLrel. 21, Created)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE PLP-dependent aminotransferases.  
 GN ARGD OR TTE2339.  
 OS Thermoanaerobacter tengcongensis.  
 OC Bacteria; Firmicutes; Bacillus/Clostridium group; Clostridia;  
 OC Thermoanaerobacteriales; Thermoanaerobacteriaceae; Thermoanaerobacter.  
 OC NCBI\_TaxID=119072;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=MB4T / JCM11007;  
 RX MEDLINE=21992816; PubMed=11997336;  
 RA Bao Q., Tian Y., Li W., Xu Z., Xuan Z., Hu S., Dong W., Yang J.,  
 RA Chen Y., Xue Y., Xu Y., Lai X., Huang L.,  
 RA Tan H., Chen R., Wang J., Yu J., Yang H.;  
 RT "A complete sequence of T. tengcongensis genome.";  
 RL Genome Res. 12:689-700(2002).  
 DR EMBL; AE013176; AA25480.1; -;  
 KW Transferase; Aminotransferase; Complete proteome.  
 SQ SEQUENCE 473 AA; 51978 MW; 9E42DA6A651E817B CRC64;

Query Match 100.0%; Score 31; DB 16; Length 473;  
 Best Local Similarity 45.5%; Pred. No. 9.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

Db 265 EEVVPDINTLA 275  
 |||||:||||:  
 |||||:||||:

## RESULT 82

ID Q9HM45 PRELIMINARY; PRT; 477 AA.  
 AC Q9HM45;  
 DT 01-MAR-2001 (TrEMBLrel. 16, Created)  
 DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)  
 DT 01-MAR-2001 (TrEMBLrel. 16, Last annotation update)  
 DE Hypothetical protein Ta0024.  
 GN TA0024.  
 OS Thermoplasma acidophilum.  
 OC Archaea; Euryarchaeota; Thermoplasmata; Thermoplasmales;  
 OC Thermoplasmataceae; Thermoplasma.  
 OC NCBI\_TaxID=2303;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=DSM 1728;  
 RX MEDLINE=20479972; PubMed=11029001;  
 RA Ruepp A., Graml W., Santos-Martinez M.-L., Koretke K.K., Volker C.,  
 RA Mewes H.-W., Frishman D., Stocker S., Lupas A.N., Baumeister W.;  
 RT "The genome sequence of the thermoacidophilic scavenger thermoplasma  
 RT acidophilum.";  
 RL Nature 407:508-513(2000).  
 DR EMBL; AL445063; CAC11173.1; -;  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 477 AA; 55114 MW; 0F511503C23B61E2 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 477;  
 Best Local Similarity 45.5%; Pred. No. 9.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 357 EEVVPGRCTK 367

## RESULT 83

ID O64067 PRELIMINARY; PRT; 478 AA.  
 AC O64067;  
 DT 01-AUG-1998 (TrEMBLrel. 07, Created)  
 DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)  
 DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
 DE Hypothetical 55.0 kDa protein.  
 GN YOND.  
 OS Bacteriophage SPBC2.  
 OC Viruses; dsDNA viruses, no RNA stage; Caudovirales; Siphoviridae.  
 OC NCBI\_TaxID=66797;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Lazarevic V., Duesterhoeft A., Soldo B., Hilbert H., Manuel C.,  
 RA Karamata D.;  
 RT "The complete nucleotide sequence of the Bacillus subtilis SPbetac2  
 RT prophage.";  
 RL Submitted (AUG-1997) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AF020713; AAC13027.1; -;  
 KW Hypothetical protein.  
 SQ SEQUENCE 478 AA; 55050 MW; 6FF7495A957D4A4F CRC64;

Query Match 100.0%; Score 31; DB 9; Length 478;  
 Best Local Similarity 45.5%; Pred. No. 9.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 319 EEVVPPIOSQ 329

## RESULT 84

O31954

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ID O31954 PRELIMINARY; PRT; 478 AA.
AC O31954;
DT 01-JAN-1998 (TrEMBLrel. 05, Created)
DT 01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE YOND protein.
DE YOND.
GN Bacillus subtilis.
OS Bacteria; Firmicutes; Bacillus/Clostridium group; Bacillales;
OC Bacillaceae; Bacillus.
OX NCBI_TaxID=1423;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=168;
RX MEDLINE=98044033; PubMed=9384377;
RA Kunst F., Ogasawara N., Moszer I., Albertini A.M., Alloni G.,
RA Azevedo V., Bertero M.G., Bessieres P., Bolotin A., Borchert S.,
RA Borriass R., Boursier L., Brans A., Braun M., Brignell S.C., Bron S.,
RA Brouillet S., Bruschi C.V., Caldwell B., Capuano V., Carter N.M.,
RA Choi S.K., Codani J.J., Connerton I.F., Cummings N.J., Daniel R.A.,
RA Denizot F., Devine K.M., Dusterhoft A., Ehrlich S.D., Emerson P.T.,
RA Entian K.D., Errington J., Fabret C., Ferrari E., Foulger D.,
RA Fritz C., Fujita M., Fujita Y., Fuma S., Galizzi A., Galleron N.,
RA Ghim S.Y., Glaser P., Goffeau A., Gollightly E.J., Grandi G.,
RA Guiseppe G., Guy B.J., Haga K., Haiech J., Harwood C.R., Henaut A.,
RA Hilbert H., Holsappel S., Hosono S., Hulio M.F., Itaya M., Jones L.,
RA Joris B., Karamata D., Kasahara Y., Klaerr-Blanchard M., Klein C.,
RA Kobayashi Y., Koetter P., Koningsstein G., Krogh S., Kumano M.,
RA Kurita K., Lapidus A., Lardinois S., Lauber J., Lazarevic V.,
RA Lee S.M., Levine A., Liu H., Masuda S., Manuel C., Medigic C.,
RA Medina N., Mellado R.P., Mizuno M., Moestl D., Nakai S., Noback M.,
RA Noone D., O'Reilly M., Ogawa K., Ogiwara A., Oudega B., Park S.H.,
RA Parro V., Pohl T.M., Portetelle D., Porwollik S., Prescott A.M.,
RA Presecan E., Pujic P., Purnelle B., Rapoport G., Rey M., Reynolds S.,
RA Rieger M., Rivolta C., Rocha E., Roche B., Rose M., Sadaie Y.,
RA Sato T., Scanlan E., Schleich S., Schroeter R., Scoffone F.,
RA Sekiguchi J., Sekowska A., Seror S.J., Serror P., Shin B.S., Soldo B.,
RA Sorokin A., Tacconi E., Takagi T., Takahashi H., Takemaru K.,
RA Takeuchi M., Tamakoshi A., Tanaka T., Terpstra P., Tognoni A.,
RA Tosato V., Uchiyama S., Vandenbol M., Vannier F., Vassarotti A.,
RA Viari A., Wambutt R., Wedler E., Wedler H., Weitzenecker T.,
RA Winters P., Wipet A., Yamamoto H., Yamane K., Yasumoto K., Yata K.,
RA Yoshida K., Yoshikawa H.F., Zumbstein E., Yoshikawa H., Danchin A.;
RT "The complete genome sequence of the gram-positive bacterium Bacillus
RT subtilis."
RL Nature 390:249-256(1997).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=168;
RA Kunst F., Ogasawara N., Yoshikawa H., Danchin A.;
RL Submitted (NOV-1997) to the EMBL/GenBank/DBJ databases.
DR EMBL; Z99115; CAB14031.1; -.
KW Complete proteome.
SQ SEQUENCE 478 AA; 55050 MW; 6FF7495A957D4A4F CRC64;

Query Match 100.0%; Score 31; DB 16; Length 478;
Best Local Similarity 45.5%; Pred. No. 9.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 319 EEVVPETIQSQ 329
|||||:|||||:

RESULT 85
Q9RXH8 PRELIMINARY; PRT; 478 AA.
AC Q9RXH8;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE ATP-dependent RNA helicase, putative.
GN DR0335;

Query Match 100.0%; Score 31; DB 16; Length 478;
Best Local Similarity 45.5%; Pred. No. 9.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 319 EEVVPETIQSQ 329
|||||:|||||:

Query Match 100.0%; Score 31; DB 16; Length 478;
Best Local Similarity 45.5%; Pred. No. 9.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 314 EEVVPLEGND 324
|||||:|||||:

RESULT 86
Q9BXK5 PRELIMINARY; PRT; 485 AA.
AC Q9BXK5;
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Bcl-Rambo.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC MEDLINE=21276457; PubMed=11262395;
RA Kataoka T., Holler N., Micheau O., Martinon F., Tinel A., Hofmann K.,
RA Tschopp J.;
RT "Bcl-Rambo, a Novel Bcl-2 Homologue That Induces Apoptosis via Its
RT Unique C-terminal Extension."
RL J. Biol. Chem. 276:19548-19554(2001).
DR EMBL; AF325209; AAK27358.1; -.
DR InterPro; IPR000712; Bcl2_BH.
DR InterPro; IPR002475; BCL2_family.
DR Pfam; PF00452; Bcl-2; 1.
DR SMART; SM00337; BCL; 1.
DR PROSITE; PS50062; BCL2_FAMILY; 1.
SQ SEQUENCE 485 AA; 52723 MW; D940466511B6CE0 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 485;
Best Local Similarity 45.5%; Pred. No. 9.9e+02;

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OS Deinococcus radiodurans.
OC Bacteria; Thermus/Deinococcus group; Deinococci; Deinococcales;
OC Deinococcaceae; Deinococcus.
OX NCBI_TaxID=1299;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=R1;
RX MEDLINE=20036896; PubMed=10567266;
RA White O., Eisen J.A., Heidelberg J.F., Hickey E.K., Peterson J.D.,
RA Dodson R.J., Haft D.H., Gwinn M.L., Nelson W.C., Richardson D.L.,
RA Moffat K.S., Qin H., Jiang L., Pamphile W., Crosby M., Shen M.,
RA Vamathevan J.J., Lam P., McDonald L., Otterback T., Zalewski C.,
RA Makarova K.S., Aravind L., Daly M.J., Minton K.W., Fleischmann R.D.,
RA Ketchum K.A., Nelson K.E., Salzberg S., Smith H.O., Venter J.C.,
RA Fraser C.M.;
RT "Genome sequence of the radioresistant bacterium Deinococcus
RT radiodurans R1."
RL Science 286:1571-1577(1999).
CC -!- SIMILARITY: TO DEAD/DEAH BOX HELICASE FAMILY.
CC -!- SIMILARITY: TO HELICASE C-TERMINAL DOMAIN.
DR EMBL; AE001894; AAF09917.1; -.
DR HSSP; Q56243; 1c40.
DR TIGR; DR0335; -.
DR InterPro; IPR001410; DEAD.
DR InterPro; IPR000629; DEAD_box.
DR InterPro; IPR001650; Helicase_C.
DR Pfam; PF00270; DEAD; 1.
DR Pfam; PF00271; helicase_C; 1.
DR SMART; SM00487; DEXDC; 1.
DR SMART; SM00490; HELIC; 1.
DR PROSITE; PS00039; DEAD_ATP_HELICASE; UNKNOWN_1.
KW ATP-binding; Helicase; Complete proteome.
SQ SEQUENCE 478 AA; 51162 MW; BA8E27B12CFB1942 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 478;
Best Local Similarity 45.5%; Pred. No. 9.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 314 EEVVPLEGND 324
|||||:|||||:

RESULT 86
Q9BXK5 PRELIMINARY; PRT; 485 AA.
AC Q9BXK5;
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Bcl-Rambo.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC MEDLINE=21276457; PubMed=11262395;
RA Kataoka T., Holler N., Micheau O., Martinon F., Tinel A., Hofmann K.,
RA Tschopp J.;
RT "Bcl-Rambo, a Novel Bcl-2 Homologue That Induces Apoptosis via Its
RT Unique C-terminal Extension."
RL J. Biol. Chem. 276:19548-19554(2001).
DR EMBL; AF325209; AAK27358.1; -.
DR InterPro; IPR000712; Bcl2_BH.
DR InterPro; IPR002475; BCL2_family.
DR Pfam; PF00452; Bcl-2; 1.
DR SMART; SM00337; BCL; 1.
DR PROSITE; PS50062; BCL2_FAMILY; 1.
SQ SEQUENCE 485 AA; 52723 MW; D940466511B6CE0 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 485;
Best Local Similarity 45.5%; Pred. No. 9.9e+02;

```

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 396 EEVVPALPEPT 406

RESULT 87

Q96IB7 PRELIMINARY; PRT; 485 AA.

AC Q96IB7; (TREMBlrel. 19, Created)

DT 01-DEC-2001 (TREMBlrel. 19, Last sequence update)

DT 01-DEC-2001 (TREMBlrel. 21, Last annotation update)

DE Unknown (protein for MGC:747).

OS Homo sapiens (Human).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

OX NCBI\_TaxID=9606;

RN [1]

RP SEQUENCE FROM N.A.

RC TISSUE=EYE;

RA Strausberg R.;

RL Submitted (May-2001) to the EMBL/GenBank/DBJ databases.

DR EMBL; BC007658.1; .

DR InterPro; IPR000712; BCL2.BH.

DR InterPro; IPR002475; BCL2\_family.

DR Pfam; PF00452; Bcl-2; 1.

DR PROSITE; PS00062; BCL2\_FAMILY; 1.

SQ SEQUENCE 485 AA; 52713 MW; D9404667C11ABCE3 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 485;  
 Best Local Similarity 45.5%; Pred. No. 9.9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 396 EEVVPALPEPT 406

RESULT 88

Q96JJ7 PRELIMINARY; PRT; 486 AA.

AC Q96JJ7; (TREMBlrel. 19, Created)

DT 01-DEC-2001 (TREMBlrel. 19, Last sequence update)

DT 01-MAR-2002 (TREMBlrel. 20, Last annotation update)

DE KIAA1830 protein (fragment).

GN KIAA1830.

OS Homo sapiens (Human).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

OX NCBI\_TaxID=9606;

RN [1]

RP SEQUENCE FROM N.A.

RC TISSUE=Brain;

RX MEDLINE=21245130; PubMed=11347906;

RA Nagase T., Nakayama M., Nakajima D., Kikuno R., Ohara O.;

RT "Prediction of the coding sequences of unidentified human genes. XX. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro."

RL DNA Res. 8:85-95(2001).

DR EMBL; AB058733; BAB47459.1; .

DR InterPro; IPR000063; Thioled.

DR Pfam; PF00085; thioled; 1.

DR PROSITE; PS00194; THIOREDOXIN; UNKNOWN\_1.

FT NON\_TER

SQ SEQUENCE 486 AA; 55203 MW; C44E047822A6C78C CRC64;

Query Match 100.0%; Score 31; DB 4; Length 486;  
 Best Local Similarity 45.5%; Pred. No. 9.9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 217 EEVVPYVTLK 227

RESULT 89

Q96M73 PRELIMINARY; PRT; 488 AA.

AC Q96M73; (TREMBlrel. 19, Created)

DT 01-DEC-2001 (TREMBlrel. 19, Last sequence update)

DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)

DE CDNA FLJ32779 fis, clone TESTI2002090.

OS Homo sapiens (Human).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

OX NCBI\_TaxID=9606;

RN [1]

RP SEQUENCE FROM N.A.

RC TISSUE=TESTIS;

RA Ishibashi T., Kanehori K., Yosida M., Watanabe S., Ishida S., Ono Y.,  
 RA Hotuta T., Hiraoka S., Murakawa K., Takiguchi S., Kusano J.,  
 RA Watanabe M., Fujimori K., Tanai H., Ishida M., Yamashita H., Chiba Y.,  
 RA Sugiyama T., Irie R., Otsuki T., Sato H., Wakamatsu A., Ishii S.,  
 RA Yanamoto J., Isono Y., Kawai-Hio Y., Saito K., Nishikawa T.,  
 RA Kimura K., Matsuo K., Nakamura Y., Sekine M., Kikuchi H., Kanda K.,  
 RA Wadatsuma M., Takahashi-Fujii A., Oshima A., Sugiyama A., Kawakami B.,  
 RA Suzuki Y., Sugano S., Nagahari K., Masuho Y., Nagai K., Isogai T.;

RT "NEDO human cDNA sequencing project."

RL Submitted (OCT-2001) to the EMBL/GenBank/DBJ databases.

DR EMBL; AK057341; BAB71436.1; .

SQ SEQUENCE 488 AA; 56742 MW; E27ACFB2D7E54F9B CRC64;

Query Match 100.0%; Score 31; DB 4; Length 488;  
 Best Local Similarity 45.5%; Pred. No. 9.9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 101 EEVFPSPNPS 111

RESULT 90

O07316 PRELIMINARY; PRT; 502 AA.

ID O07316; (TREMBlrel. 04, Created)

AC O07316; (TREMBlrel. 04, Last sequence update)

DT 01-JUL-1997 (TREMBlrel. 04, Last sequence update)

DT 01-JUN-2001 (TREMBlrel. 17, Last annotation update)

DE Hypothetical 56.4 kDa protein.

OS Rhizobium meliloti (Sinorhizobium meliloti).

OG Plasmid pRmN40.

OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;

OC Rhizobiaceae; Sinorhizobium.

OX NCBI\_TaxID=382;

RN [1]

RP SEQUENCE FROM N.A.

RC STRAIN=GR4;

RX MEDLINE=9812739; PubMed=9511748;

RA Zekri S., Soto M.J., Toro N.;

RT "ISKm4-1 and ISKrn9, two novel insertion sequences from Sinorhizobium meliloti."

RL Gene 207:93-96(1998).

DR EMBL; Y13432; CAA73844.1; .

DR InterPro; IPR001584; Rve.

DR Pfam; PF00665; rve; 1.

KW Hypothetical protein; Plasmid.

SQ SEQUENCE 502 AA; 56389 MW; F289B7ADC79C93EB CRC64;

Query Match 100.0%; Score 31; DB 2; Length 502;  
 Best Local Similarity 45.5%; Pred. No. 1e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:|:  
 Db 68 EEVVPMLQSP 78

## RESULT 91

Q9J8C8 PRELIMINARY; PRT; 507 AA.  
 ID Q9J8C8  
 AC Q9J8C8  
 DT 01-OCT-2000 (TREMBlrel. 15, Created)  
 DT 01-OCT-2000 (TREMBlrel. 15, Last sequence update)  
 DT 01-OCT-2000 (TREMBlrel. 15, Last annotation update)  
 DE ORF5.  
 OS Spodoptera exigua nucleopolyhedrovirus.  
 OC Viruses; dsDNA viruses, no RNA stage; Baculoviridae;  
 OC Nucleopolyhedrovirus.  
 OX NCBI\_TaxID=10454;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=20036646; PubMed=10567663;  
 RA IJkel W.F., van Strien E.A., Heldens J.G., Broer R., Zuidema D.,  
 RA Goldbach R.W., Vlask J.M.;  
 RT "Sequence and organization of the spodoptera exigua multicapsid  
 RT nucleopolyhedrovirus genome.";  
 RL J. Gen. Virol. 80:3289-3304(1999).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RA IJkel W.F.J., van Strien E.A., Heldens J.G.M., Broer R., Zuidema D.,  
 RA Goldbach R.W., Vlask J.M.;  
 RL Submitted (JUL-1999) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AF169823; AAF33536.1; -  
 SQ SEQUENCE 507 AA; 58571 MW; B52A239513AB6067 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 507;  
 Best Local Similarity 45.5%; Pred. No. 1e+03; Indels 0; Gaps 0;  
 Matches 5; Conservative 6; Mismatches 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:|:  
 Db 447 EEVVPDRPET 457

## RESULT 92

Q8R6X0 PRELIMINARY; PRT; 508 AA.  
 ID Q8R6X0  
 AC Q8R6X0  
 DT 01-JUN-2002 (TREMBlrel. 21, Created)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last sequence update)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
 DE Hypothetical protein TTE2663.  
 GN TTE2663.  
 OS Thermoanaerobacter tengcongensis.  
 OC Bacteria; Firmicutes; Bacillus/Clostridium group; Clostridia;  
 OC Thermoanaerobacteriales; Thermoanaerobacteriaceae; Thermoanaerobacter.  
 OX NCBI\_TaxID=119072;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=MBAT / JCM11007;  
 RX MEDLINE=21992816; PubMed=11997336;  
 RA Bao Q., Tian Y., Li W., Xu Z., Xuan Z., Hu S., Dong W., Yang J.,  
 RA Chen Y., Xue Y., Xu Y., Lai X., Huang L., Dong X., Ma Y., Ling L.,  
 RA Tan H., Chen R., Wang J., Yu J., Yang H.;  
 RT "A complete sequence of T. tengcongensis genome.";  
 RL Genome Res. 12:689-700(2002).  
 DR EMBL; AE013206; AAM25782.1; -  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 508 AA; 58270 MW; BCB3664EE79D845 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 508;  
 Best Local Similarity 45.5%; Pred. No. 1e+03; Indels 0; Gaps 0;  
 Matches 5; Conservative 6; Mismatches 0;

QY 1 EEVVPXXXXX 11

Db 272 EEVVPAPLTL 282  
 |||||:|:|:|:|:

## RESULT 93

Q9RY57 PRELIMINARY; PRT; 511 AA.  
 ID Q9RY57  
 AC Q9RY57  
 DT 01-MAY-2000 (TREMBlrel. 13, Created)  
 DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
 DE Phytoene dehydrogenase, putative.  
 GN DR0093.  
 OS Deinococcus radiodurans.  
 OC Bacteria; Thermus/Deinococcus group; Deinococci; Deinococcales;  
 OC Deinococcaceae; Deinococcus.  
 OX NCBI\_TaxID=1299;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=R1;  
 RX MEDLINE=20036896; PubMed=10567266;  
 RA White O., Eisen J.A., Heidelberg J.F., Hickey E.K., Peterson J.D.,  
 RA Dodson R.J., Haft D.H., Gwinn M.L., Nelson W.C., Richardson D.L.,  
 RA Moffat K.S., Qin H., Jiang L., Pamphile W., Crosby M., Shen M.,  
 RA Vamathevan J.J., Lam P., McDonald L., Utterback T., Zaleski C.,  
 RA Makarova K.S., Aravind L., Daly M.J., Minton K.W., Fleischmann R.D.,  
 RA Ketchum K.A., Nelson K.E., Salzberg S., Smith H.O., Venter J.C.,  
 RA Fraser C.M.;  
 RT "Genome sequence of the radioresistant bacterium Deinococcus  
 RT radiodurans R1.";  
 RL Science 286:1571-1577(1999).  
 DR EMBL; AE001872; AAF09686.1; -  
 DR TIGR; DR0093; -  
 DR InterPro: IPR002937; Amino\_oxidase.  
 DR Pfam; PF01593; Amino\_oxidase; 1.  
 KW Complete proteome.  
 SQ SEQUENCE 511 AA; 56527 MW; 7DCC3FB1D79EE9CD CRC64;

Query Match 100.0%; Score 31; DB 16; Length 511;  
 Best Local Similarity 45.5%; Pred. No. 1e+03; Indels 0; Gaps 0;  
 Matches 5; Conservative 6; Mismatches 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:|:  
 Db 45 EEVVPGVRFY 55

## RESULT 94

Q96FN5 PRELIMINARY; PRT; 513 AA.  
 ID Q96FN5  
 AC Q96FN5  
 DT 01-DEC-2001 (TREMBlrel. 19, Created)  
 DT 01-DEC-2001 (TREMBlrel. 19, Last sequence update)  
 DT 01-MAR-2002 (TREMBlrel. 20, Last annotation update)  
 DE Unknown (protein for MGC:17687).  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 OX NCBI\_TaxID=9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=EBE;  
 RA Strausberg R.;  
 RL Submitted (JUL-2001) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; BC010826; AAH10626.1; -  
 DR InterPro: IPR002350; Katal.  
 DR InterPro: IPR001752; kinesin\_motor.  
 DR Pfam; PF00225; kinesin; 1.  
 DR PROSITE; PS00282; KAZAL; UNKNOWN.1.  
 DR PROSITE; PS00411; KINESIN\_MOTOR\_DOMAIN1; UNKNOWN.1.  
 DR PROSITE; PS00067; KINESIN\_MOTOR\_DOMAIN2; 1.  
 KW ATP-binding; Coiled coil; Microtubules; Motor protein.  
 SQ SEQUENCE 513 AA; 56627 MW; 696DB753C0966563 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 513;  
 Best Local Similarity 45.5%; Pred. No. 1e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 446 EEVVP5APPLP 456

RESULT 95  
 Q9PD2 PRELIMINARY; PRT; 544 AA.  
 AC Q9PD2; 01-OCT-2000 (TremBLrel. 15, Created)  
 DT 01-OCT-2000 (TremBLrel. 15, Last sequence update)  
 DT 01-MAR-2002 (TremBLrel. 20, Last annotation update)  
 DE Putative ABC substrate-binding protein-iron.  
 GN ABCSBP-5 OR U0359.  
 OS Ureaplasma parvum (Ureaplasma urealyticum biotype 1).  
 OC Bacteria; Firmicutes; Bacillus/Clostridium group; Mollicutes;  
 OC Mycoplasmataceae; Ureaplasma.  
 OX NCBI\_TaxID=134821;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=SEROVAR 3;  
 RX MEDLINE=20500219; PubMed=11048724;  
 RA Glass J.I., Lefkowitz E.J., Glass J.S., Heiner C.R., Chen E.Y.,  
 RA Cassell G.H.;  
 RT "The complete sequence of the mucosal pathogen Ureaplasma  
 urealyticum.";  
 RL Nature 407:757-762(2000).  
 DR EMBL; AE002133; AAF30768.1; -.  
 KW Complete proteome.  
 SQ SEQUENCE 544 AA; 61291 MW; CF8756202A389C00 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 544;  
 Best Local Similarity 45.5%; Pred. No. 1.1e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 135 EEVVPHYLSYL 145

RESULT 96  
 Q21234 PRELIMINARY; PRT; 558 AA.  
 AC Q21234;  
 DT 01-NOV-1996 (TremBLrel. 01, Created)  
 DT 01-NOV-1996 (TremBLrel. 01, Last sequence update)  
 DT 01-DEC-2001 (TremBLrel. 19, Last annotation update)  
 DE K04G7.1 protein.  
 GN K04G7.1.  
 OS Caenorhabditis elegans.  
 OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditidae;  
 OC Rhabditidae; Peloderinae; Caenorhabditis.  
 OX NCBI\_TaxID=6239;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BRISTOL N2;  
 RA Wilson R., Ainscough R., Anderson K., Baynes C., Berks M.,  
 RA Bonfield J., Burton J., Connell M., Copsey T., Cooper J., Coulson A.,  
 RA Craxton M., Dear S., Du Z., Durbin R., Favell A., Fulton L.,  
 RA Gardner A., Green P., Hawkins T., Hillier L., Jier M., Johnston L.,  
 RA Jones M., Kershaw J., Kirsten J., Laister N., Latreille P.,  
 RA Lightning J., Lloyd C., McMurray A., Mortimore B., O'Callaghan M.,  
 RA Parsons J., Percy C., Rifkin L., Roopra A., Saunders D., Showkeen R.,  
 RA Smaldon N., Smith A., Sonnenhammer E., Staden R., Sulston J.,  
 RA Thierry-Mieg J., Thomas K., Vaudin M., Vaughan K., Waterston R.,  
 RA Watson A., Weinstock L., Wilkinson-Sproat J., Wooldman P.;  
 RT "The C. elegans genome project: Contiguous nucleotide sequence of over  
 two megabases from chromosome III.";

RL Nature 0:0-0(1994).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BRISTOL N2;  
 RA Fulton L.;  
 RT "The sequence of C. elegans cosmid K04G7.";  
 RL Submitted (MAR-1995) to the EMBL/GenBank/DBJ databases.  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BRISTOL N2;  
 RA Waterston R.;  
 RL Submitted (FEB-1995) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; U21320; AAA62533.1; -.  
 SQ SEQUENCE 558 AA; 64851 MW; 806EDCBF220A12B1 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 558;  
 Best Local Similarity 45.5%; Pred. No. 1.1e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 544 EEVVPQNPRLH 554

RESULT 97  
 O49588 PRELIMINARY; PRT; 596 AA.  
 AC O49588;  
 DT 01-JUN-1998 (TremBLrel. 06, Created)  
 DT 01-JUN-1998 (TremBLrel. 06, Last sequence update)  
 DT 01-DEC-2001 (TremBLrel. 19, Last annotation update)  
 DE PREDICTED protein.  
 GN F8F16.210 OR AT4G31390.  
 OS Arabidopsis thaliana (Mouse-ear cress).  
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
 OC eurosids II; Brassicales; Brassicaceae; Arabidopsis.  
 OX NCBI\_TaxID=3702;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Bevan M., Brandt P., Dose S., Jarke D., Scharfe M., Schon O.,  
 RA Hoheisel J., Mewes H.W., Mayer K., Schueller C.;  
 RL Submitted (JAN-1998) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RA Brandt P., Dose S., Jarke D., Scharfe M., Schon O., Mewes H.W.,  
 RA Lemcke K., Mayer K.F.X.;  
 RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 EU Arabidopsis sequencing project;  
 RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AL021633; CAAL6542.1; -.  
 DR EMBL; AL161578; CAB79857.1; -.  
 DR InterPro; IPR004147; ABC1.  
 DR InterPro; IPR000719; Euk\_pkinase.  
 DR Pfam; PF03109; ABC1; 1.  
 DR PROSITE; PS00011; PROTEIN\_KINASE\_DOM; 1.  
 KW ATP-binding; Transferase.  
 SQ SEQUENCE 596 AA; 66861 MW; BCB3090E07DB8B6E CRC64;

Query Match 100.0%; Score 31; DB 10; Length 596;  
 Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 146 EEVVPFRARQL 156

RESULT 98  
 Q9VE96 PRELIMINARY; PRT; 600 AA.  
 ID Q9VE96







KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 69894 MW; AA58943849D0873 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 31 EEVVPXGCMTL 41

## RESULT 105

Q9YME9 PRELIMINARY; PRT; 622 AA.  
AC Q9YME9;  
DT 01-MAY-1999 (Tremblrel. 10, Created)  
DT 01-MAY-1999 (Tremblrel. 10, Last sequence update)  
DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)  
DE Hypothetical 70.0 kDa protein.  
OS Cryphonectria parasitica hypovirulence associated virus.  
OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
OX NCBI\_TaxID=83190;  
RN [1]  
RC SEQUENCE FROM N.A.  
RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
RT hypovirulent isolates of Cryphonectria parasitica.";  
RL J. Plant Pathol. 80:265-265(1999).  
DR EMBL; AJ011539; CAA09685.1; -  
DR MEROPS; C07.001; -  
DR InterPro; IPR002704; Peptidase\_C7.  
DR Pfam; PF01830; Peptidase\_C7; 1.  
DR ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 70046 MW; CE90B35EFCF1F9A8 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 31 EEVVPXGCMTL 41

## RESULT 106

Q9YME8 PRELIMINARY; PRT; 622 AA.  
AC Q9YME8;  
DT 01-MAY-1999 (Tremblrel. 10, Created)  
DT 01-MAY-1999 (Tremblrel. 10, Last sequence update)  
DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)  
DE Hypothetical 70.0 kDa protein.  
OS Cryphonectria parasitica hypovirulence associated virus.  
OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
OX NCBI\_TaxID=83190;  
RN [1]  
RC SEQUENCE FROM N.A.  
RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
RT hypovirulent isolates of Cryphonectria parasitica.";  
RL J. Plant Pathol. 80:265-265(1999).  
DR EMBL; AJ011540; CAA09686.1; -  
DR MEROPS; C07.001; -  
DR InterPro; IPR002704; Peptidase\_C7.  
DR Pfam; PF01830; Peptidase\_C7; 1.  
DR ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 70027 MW; 05915BA68807C1CF CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 31 EEVVPXGCMTL 41

## RESULT 107

Q9YME7 PRELIMINARY; PRT; 622 AA.  
AC Q9YME7;  
DT 01-MAY-1999 (Tremblrel. 10, Created)  
DT 01-MAY-1999 (Tremblrel. 10, Last sequence update)  
DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)  
DE Hypothetical 69.7 kDa protein.  
OS Cryphonectria parasitica hypovirulence associated virus.  
OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
OX NCBI\_TaxID=83190;  
RN [1]  
RC SEQUENCE FROM N.A.  
RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
RT hypovirulent isolates of Cryphonectria parasitica.";  
RL J. Plant Pathol. 80:265-265(1999).  
DR EMBL; AJ011541; CAA09687.1; -  
DR MEROPS; C07.001; -  
DR InterPro; IPR002704; Peptidase\_C7.  
DR Pfam; PF01830; Peptidase\_C7; 1.  
DR ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 69732 MW; 2975D808C4D22F3A CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 31 EEVVPXGCMTL 41

## RESULT 108

Q9YME6 PRELIMINARY; PRT; 622 AA.  
AC Q9YME6;  
DT 01-MAY-1999 (Tremblrel. 10, Created)  
DT 01-MAY-1999 (Tremblrel. 10, Last sequence update)  
DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)  
DE Hypothetical 70.1 kDa protein.  
OS Cryphonectria parasitica hypovirulence associated virus.  
OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
OX NCBI\_TaxID=83190;  
RN [1]  
RC SEQUENCE FROM N.A.  
RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
RT hypovirulent isolates of Cryphonectria parasitica.";  
RL J. Plant Pathol. 80:265-265(1999).  
DR EMBL; AJ011542; CAA09688.1; -  
DR MEROPS; C07.001; -  
DR InterPro; IPR002704; Peptidase\_C7.  
DR Pfam; PF01830; Peptidase\_C7; 1.  
DR ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 70057 MW; 57EC9ABC8A075709 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 31 EEVVTGCMTL 41

## RESULT 109

Q9YME5 PRELIMINARY; PRT; 622 AA.  
AC Q9YME5;  
DT 01-MAY-1999 (TrEMBLrel. 10, Created)  
DT 01-MAY-1999 (TrEMBLrel. 10, Last sequence update)  
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
DE Hypothetical 70.1 kDa protein.  
OS Cryphonectria parasitica hypovirulence associated virus.  
OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
OX NCBI\_TaxID=83190;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=TR3-6;  
RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
RT hypovirulent isolates of Cryphonectria parasitica.";  
RL J. Plant Pathol. 80:265-265(1999).  
DR EMBL; AJ011543; CAA09689.1; -  
DR MEROPS; C07.001; -  
DR InterPro; IPR002704; Peptidase\_C7.  
DR Pfam; PF01830; Peptidase\_C7; 1.  
DR ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 70057 MW; B877E71C65C85292 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 31 EEVVTGCMTL 41

## RESULT 110

Q9YME4 PRELIMINARY; PRT; 622 AA.  
AC Q9YME4;  
DT 01-MAY-1999 (TrEMBLrel. 10, Created)  
DT 01-MAY-1999 (TrEMBLrel. 10, Last sequence update)  
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
DE Hypothetical 69.9 kDa protein.  
OS Cryphonectria parasitica hypovirulence associated virus.  
OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
OX NCBI\_TaxID=83190;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=TR3;  
RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
RT hypovirulent isolates of Cryphonectria parasitica.";  
RL J. Plant Pathol. 80:265-265(1999).  
DR EMBL; AJ011544; CAA09690.1; -  
DR MEROPS; C07.001; -  
DR InterPro; IPR002704; Peptidase\_C7.  
DR Pfam; PF01830; Peptidase\_C7; 1.  
DR ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 69946 MW; 126B1B128025618A CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 31 EEVVTGCMTL 41

Db 31 EEVVTGCMTL 41

## RESULT 111

Q04349 PRELIMINARY; PRT; 622 AA.  
AC Q04349;  
DT 01-NOV-1996 (TrEMBLrel. 01, Created)  
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)  
DT 01-JUN-2001 (TrEMBLrel. 17, Last annotation update)  
DE Hypothetical 69.7 kDa protein in hypovirulence-associated DS-RNA  
DE genetic element.  
OS Cryphonectria hypovirus 1.  
OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
OX NCBI\_TaxID=40281;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=91184117; PubMed=2009854;  
RA Shapira R., Choi G.H., Nuss D.L.;  
RT "Virus-like genetic organization and expression strategy for a double-  
RT stranded RNA genetic element associated with biological control of  
RT chestnut blight.";  
RL EMBO J. 10:731-739(1991).  
DR EMBL; M57938; AAA67457.1; -  
DR PIR; S15009; S15009;  
DR InterPro; IPR002704; Peptidase\_C7.  
DR Pfam; PF01830; Peptidase\_C7; 1.  
DR ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 69687 MW; AFCB274E2197B732 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 31 EEVVPAGCITL 41

## RESULT 112

Q042733 PRELIMINARY; PRT; 637 AA.  
AC Q042733;  
DT 01-JUN-1998 (TrEMBLrel. 06, Created)  
DT 01-JUN-1998 (TrEMBLrel. 06, Last sequence update)  
DT 01-JUN-2001 (TrEMBLrel. 17, Last annotation update)  
DE Glycoprotein A (Fragment).  
GN GPA.  
OS Pneumocystis carinii.  
OC Eukaryota; Fungi; Ascomycota; Pneumocystidomycetes; Pneumocystidaceae;  
OC Pneumocystis.  
OX NCBI\_TaxID=4754;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC TISSUE=INFECTED LUNG;  
RA Guadiz G., Haidaris C.G., Maine G.N., Simpson-Haidaris P.J.;  
RL Submitted (NOV-1997) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AF035226; AAB94621.1; -  
DR InterPro; IPR003330; MSG.  
DR Pfam; PF02349; MSG; 4.  
FT NON\_TER 1  
SQ SEQUENCE 637 AA; 71912 MW; 102764E8D5998BA6 CRC64;

Query Match 100.0%; Score 31; DB 3; Length 637;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 611 EEVVPSSGRKW 621

RESULT 113

Q8TJB4  
ID Q8TJB4 PRELIMINARY; PRT; 637 AA.  
AC Q8TJB4  
DT 01-JUN-2002 (TReMBLrel. 21, Created)  
DT 01-JUN-2002 (TReMBLrel. 21, Last sequence update)  
DE Cleavage and polyadenylation specificity factor.  
GN MA3874.  
OS Methanosarcina acetivorans.  
OC Archaea; Euryarchaeota; Methanococci; Methanosarcinales;  
OC Methanosarcinaceae; Methanosarcina.  
OX NCBI\_TaxID=2214;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=C2A / ATCC 35395 / DSM 2834;  
RX MEDLINE=21929760; PubMed=11932238;  
RA Galagan J.E., Nusbaum C., Roy A., Endrizzi M.G., Macdonald P.,  
RA FitzHugh W., Calvo S., Engels R., Smirnov S., Atnoor D., Brown A.,  
RA Allen N., Naylor J., Stange-Thomann N., DeArellano K., Johnson R.,  
RA Linton L., McEwan P., McKernan K., Talamas J., Tirrell A., Ye W.,  
RA Zimmer A., Barber R.D., Cann I., Graham D.E., Guss A.M.,  
RA Hedderich R., Ingram-Smith C., Kuettner H.C., Krzycki J.A.,  
RA Leigh J.A., Li W., Liu J., Mukhopadhyay B., Reeve J.N., Smith K.,  
RA Springer T.A., Umayam L.A., White O., White R.H., de Macario E.C.,  
RA Ferry J.G., Jarrell K.F., Jing H., Macario A.J.L., Paulsen I.,  
RA Pritchett M., Sowers K.R., Swanson R.V., Zinder S.H., Lander E.,  
RA Metcalf W.W., Birren B.;  
RT "The genome of Methanosarcina acetivorans reveals extensive metabolic  
RT and physiological diversity."  
RL Genome Res. 12:532-542(2002).  
DR EMBL; AE011098; AAM07225.1; -.  
KW Complete proteome.  
SQ SEQUENCE 637 AA; 71847 MW; 7A8F536DD9B9E5FD CRC64;

Query Match 100.0%; Score 31; DB 17; Length 637;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
DB 82 EEVVPRESVIS 92

RESULT 114

Q9S1C2  
ID Q9S1C2 PRELIMINARY; PRT; 638 AA.  
AC Q9S1C2  
DT 01-MAY-2000 (TReMBLrel. 13, Created)  
DT 01-MAY-2000 (TReMBLrel. 13, Last sequence update)  
DE HtpG.  
GN HTPG.  
OS Synecococcus sp. (strain PCC 7942) (Anacystis nidulans R2).  
OC Bacteria; Cyanobacteria; Chroococcales; Synecococcus.  
OX NCBI\_TaxID=1140;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=PCC 7942;  
RX Tanaka N., Nakamoto H.;  
RA MEDLINE=99412175; PubMed=10481048;  
RA "HtpG is essential for the thermal stress management in  
RT cyanobacteria."  
RL FEBS Lett. 458:117-123(1999).  
DR EMBL; AB010001; BAA85851.1; -.  
DR HSP; P02829; IAWW.  
DR InterPro; IPR003594; ATPbind\_ATPase.  
DR InterPro; IPR004359; HIS\_KIN\_sig.  
DR InterPro; IPR001404; Hsp90.  
DR Pfam; PF02518; HATPase\_c; 1.  
DR Pfam; PF00183; HSP90; 2.  
DR PRINTS; PR00775; HEATSHOCK90.  
DR SMART; SM00387; HATPase\_c; 1.

SQ SEQUENCE 638 AA; 72603 MW; 89E74030C85544BC CRC64;

Query Match 100.0%; Score 31; DB 2; Length 638;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
DB 292 EEVVPRELLPM 302

RESULT 115

Q9D2Z8  
ID Q9D2Z8 PRELIMINARY; PRT; 642 AA.  
AC Q9D2Z8  
DT 01-JUN-2001 (TReMBLrel. 17, Created)  
DT 01-JUN-2001 (TReMBLrel. 17, Last sequence update)  
DE Kinesin 12.  
GN KIF12.  
OS Mus musculus (Mouse).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
OX NCBI\_TaxID=10090;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=C57BL/6J; TISSUE=CECUM;  
RX MEDLINE=21085660; PubMed=11217851;  
RA Kawai J., Shingawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,  
RA Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,  
RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaoka I.,  
RA Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,  
RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,  
RA Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H.,  
RA Kuehl P., Lewis S., Matsuo Y., Nikaide I., Pesole G., Quackenbush J.,  
RA Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,  
RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,  
RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,  
RA Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M.,  
RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,  
RA Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,  
RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,  
RA Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,  
RA Suzuki H., Toyooka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,  
RA Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohsaki S.,  
RA Hayashizaki Y.;  
RT "Functional annotation of a full-length mouse cDNA collection.";  
RL Nature 409:685-690(2001).  
DR EMBL; AK018598; BAB31300.1; -.  
DR HSSP; P17119; 3KAR.  
DR MGD; MGI:1098232; Kif12.  
DR InterPro; IPR001752; Kinesin\_motor.  
DR Pfam; PF00225; kinesin; 1.  
DR PRINTS; PR00380; KINESINHEAVY.  
DR SMART; SM00129; Kisc; 1.  
DR PROSITE; PS00411; KINESIN\_MOTOR\_DOMAIN1; UNKNOWN\_1.  
DR PROSITE; PS00067; KINESIN\_MOTOR\_DOMAIN2; 1.  
KW ATP-binding; Coiled coil; Microtubules; Motor protein.

Query Match 100.0%; Score 31; DB 11; Length 642;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
DB 575 EEVVPSPAPLS 585

RESULT 116

Q9KVE3  
ID Q9KVE3 PRELIMINARY; PRT; 653 AA.  
AC Q9KVE3;

DT 01-OCT-2000 (TREMBlrel. 15, Created)  
 DT 01-OCT-2000 (TREMBlrel. 15, Last sequence update)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
 DE Iron(III) ABC transporter, permease protein.  
 GN VC0203.  
 OS Vibrio cholerae.  
 OC Bacteria; Proteobacteria; gamma subdivision; Vibrionaceae; Vibrio.  
 OX NCBI\_TaxID=566;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=EL TOR N16961 / SEROTYPE O1;  
 RX MEDLINE=20406833; PubMed=10952301;  
 RA Heidelberg J.F., Eisen J.A., Nelson W.C., Clayton R.A., Gwinn M.L.,  
 RA Dodson R.J., Haft D.H., Hickey E.K., Peterson J.D., Umayam L.A.,  
 RA Gill S.R., Nelson K.E., Read T.D., Tettelin H., Richardson D.,  
 RA Ermolaeva M.D., Vamathevan J., Bass S., Qin H., Dragoi I., Sellers P.,  
 RA McDonald L., Uterback T., Fleischmann R.D., Nierman W.C., White O.,  
 RA Salzberg S.L., Smith H.O., Colwell R.R., Mekalanos J.J., Venter J.C.,  
 RA Fraser C.M.;  
 RT "DNA sequence of both chromosomes of the cholera pathogen Vibrio  
 RT cholerae.";  
 RL Nature 406:477-483(2000).  
 DR EMBL; AE004110; AAF93379.1; -;  
 DR TIGR; VC0203; -;  
 DR InterPro: IPR000522; FeCCD.  
 DR Pfam: PF01032; FeCCD; 2.  
 DR ProDom: PD001557; FeCCD; 1.  
 KW Complete proteome.  
 SQ SEQUENCE 653 AA; 69034 MW; 0B129B8E175CCF9 CRC64;  
  
 Query Match 100.0%; Score 31; DB 16; Length 653;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 EEVVPXXXXX 11  
 Db 300 EEVPSGITAA 310  
 |||||:||||:  
  
 RESULT 117  
 Q9VX51 PRELIMINARY; PRT; 655 AA.  
 ID Q9VX51;  
 AC Q9VX51;  
 DT 01-MAY-2000 (TREMBlrel. 13, Created)  
 DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
 DE CG5613 protein.  
 GN CG5613.  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
 OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID=7227;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BERKELEY;  
 RX MEDLINE=20196006; PubMed=107311132;  
 RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,  
 RA Amanatides P.G., Scher S.E., Li P.W., Hoskins R.A., Galle R.F.,  
 RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,  
 RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,  
 RA Branton R.C., Rogers Y.-H.C., Blazer R.G., Champe M., Pfeiffer B.D.,  
 Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,  
 RA Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,  
 RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,  
 RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,  
 RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brotter P.,  
 RA Burris K.C., Busan D.A., Butler H., Cadieu E., Center A., Chandra I.,  
 RA Cherry J.M., Cawley S., Dahlike C., Davenport L.B., Davies P.,  
 RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,  
 RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,  
 RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,  
 RA Fosler C., Gabriellian A.E., Garg N.S., Gelbart W.M., Glasser K.,

RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,  
 RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J.,  
 RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,  
 RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,  
 RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,  
 RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,  
 RA Liu X., Mattel B., McIntosh T.C., McLeod M.P., McPherson D.,  
 RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,  
 RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,  
 RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleb J.M.,  
 RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,  
 RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,  
 RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,  
 RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,  
 RA Svirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,  
 RA Wang Z.-Y., Wassarman D.A., Weinstein G.M., Weissenbach J.,  
 RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,  
 RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,  
 RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,  
 RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;  
 RT "The genome sequence of Drosophila melanogaster.";  
 RL Science 287:2185-2195(2000).  
 DR EMBL; AE003505; AAF48729.1; -;  
 DR FlyBase; FBgn0030839; CG5613.  
 DR InterPro: IPR005201; Glyco\_hydro\_85.  
 DR Pfam: PF03644; Glyco\_hydro\_85; 1.  
 SQ SEQUENCE 655 AA; 75747 MW; 047D95F9F5D0447B CRC64;  
  
 Query Match 100.0%; Score 31; DB 5; Length 655;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 EEVVPXXXXX 11  
 Db 37 EEVVPVKKRT 47  
 |||||:||||:  
  
 RESULT 118  
 Q8T8V2 PRELIMINARY; PRT; 656 AA.  
 ID Q8T8V2;  
 AC Q8T8V2;  
 DT 01-JUN-2002 (TREMBlrel. 21, Created)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last sequence update)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
 DE AT22312p.  
 GN CG5613.  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
 OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID=7227;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Stapleton M., Brokstein P., Hong L., Agbayani A., Carlson J.,  
 RA Champe M., Chavez C., Dorsett V., Dresnek D., Farfan D., Frise E.,  
 RA George R., Gonzalez M., Guarin H., Kronmiller B., Li P., Liao G.,  
 RA Miranda A., Mungall C.J., Nunoo K., Pacleb J., Paragas V., Park S.,  
 RA Patel S., Phouanavong S., Wan K., Yu C., Lewis S.E., Rubin G.M.,  
 RA Celniker S.;  
 RL Submitted (JAN-2002) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AY075262; AAL68129.1; -;  
 SQ SEQUENCE 656 AA; 75941 MW; 8912595C0B3A9169 CRC64;  
  
 Query Match 100.0%; Score 31; DB 5; Length 656;  
 Best Local Similarity 45.5%; Pred. No. 1.4e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 EEVVPXXXXX 11  
 Db 38 EEVVPVKKRT 48  
 |||||:||||:  
  
 RESULT 119

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Q973T7
ID Q973T7 PRELIMINARY; PRT; 661 AA.
AC Q973T7
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Hypothetical protein ST0810.
GN ST0810.
OS Sulfolobus tokodaii.
OC Archaea; Crenarchaeota; Thermoprotei; Sulfolobales; Sulfolobaceae;
OC Sulfolobus.
OX NCBI_TaxID=111955;
RN [1]
RC STRAIN=JCM 10545 / 7;
RX PubMed=11572479;
RA Kawarabayashi Y., Hino Y., Horikawa H., Jin-no K., Takahashi M.,
RA Sekine M., Baba S.-I., Ankaï A., Kosugi H., Hosoyama A., Fukui S.,
RA Nagai Y., Nishijima K., Otsuka R., Nakazawa H., Takamiya M., Kato Y.,
RA Yoshizawa T., Tanaka T., Kudoh Y., Yamazaki J., Kishida N., Oguchi A.,
RA Aoki K.-I., Masuda S., Yanagii M., Nishimura M., Yamagishi A.,
RA Oshima T., Kikuchi H.;
RT "Complete genome sequence of an aerobic thermoacidophilic
RT Crenarchaeon, Sulfolobus tokodaii strain 7.";
RL DNA Res. 8:123-140(2001).
DR EMBL; AP000983; BAB5823.1; -.
DR InterPro; IPR000719; Euk_pkinase.
DR PROSITE; PS00108; PROTEIN_KINASE_ST; UNKNOWN_1.
DR PROSITE; PS00107; PROTEIN_KINASE_DOM; 1.
DR PROSITE; PS00108; PROTEIN_KINASE_ST; UNKNOWN_1.
DR Hypothetical protein; Complete proteome.
KW SEQUENCE 661 AA; 76696 MW; F18A52DF261332DF CRC64;

Query Match 100.0%; Score 31; DB 17; Length 661;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : :
Db 521 EEVVPKLSDLG 531

RESULT 120
ID Q9BWC2 PRELIMINARY; PRT; 680 AA.
AC Q9BWC2;
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE Glycerocephosphate O-acetyltransferase.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RC TISSUE=LUNG;
RP SEQUENCE FROM N.A.
RA Strausberg R.;
RL Submitted (NOV-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC000450; AAH00450.1; -.
DR InterPro; IPR002123; Acyltransferase.
DR Pfam; PF01553; Acyltransferase; 1.
DR Acyltransferase; Transferase.
SQ SEQUENCE 680 AA; 77161 MW; A6BC9567D5693476 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 680;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EEVVPXXXXXX 11
| | | | | : : : :
Db 432 EEVVPASILH 442

RESULT 121
Q8RWG1 PRELIMINARY; PRT; 682 AA.
ID Q8RWG1
AC Q8RWG1;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Hypothetical 76.8 kDa protein.
GN A74G31390.
OS Arabidopsis thaliana (Mouse-ear cress).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
OC eurosids II; Brassicales; Brassicaceae; Arabidopsids.
OX NCBI_TaxID=3702;
RN [1]
RC SEQUENCE FROM N.A.
RA Southwick A., Karlin-Neumann G., Nguyen M., Lam B., Miranda M.,
RA Palm C.J., Bowser L., Jones T., Hanh J., Carninci P., Chen H.,
RA Cheuk R., Chung M.K., Hayashizaki Y., Ishida J., Kamiya A., Kawai J.,
RA Kim C., Lin J., Liu S.X., Narusaka M., Pham P.K., Sakano H.,
RA Sakurai T., Satou M., Seki M., Shinn P., Yamada K., Shinozaki K.,
RA Ecker J., Theologis A., Davis R.W.;
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY093113; AAMI3112.1; -.
KW Hypothetical protein.
SQ SEQUENCE 682 AA; 76756 MW; E31B0AC7C7812F38 CRC64;

Query Match 100.0%; Score 31; DB 10; Length 682;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : :
Db 160 EEVVPFRARQL 170

RESULT 122
O15271 PRELIMINARY; PRT; 685 AA.
ID O15271
AC O15271;
DT 01-JAN-1998 (TrEMBLrel. 05, Created)
DT 01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Synaptopodin.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RC SEQUENCE FROM N.A.
RA MEDLINE=97461576; PubMed=9314539;
RA Mundel P., Heid H.W., Mundel T., Krueger M., Reiser J., Kriz W.;
RT "Synaptopodin, an actin-associated protein of telencephalic dendrites
RT and renal podocytes.";
RL J. Cell Biol. 139:193-204(1997).
DR EMBL; Y11072; CAA71955.1; -.
SQ SEQUENCE 685 AA; 73664 MW; C3D9FE2E6F0D700A CRC64;

Query Match 100.0%; Score 31; DB 4; Length 685;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : :
Db 446 EEVVPWASCL 456

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RESULT 123
Q22402 ID Q22402 PRELIMINARY; PRT; 688 AA.
AC Q22402;
DT 01-NOV-1996 (T-EMBLrel. 01, Created)
DT 01-MAY-1999 (T-EMBLrel. 10, Last sequence update)
DT 01-MAY-1999 (T-EMBLrel. 10, Last annotation update)
DE Tlf9.12 protein.
GN Tlf9.12.
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
OC Rhabditidae; Peloderinae; Caenorhabditis.
OX NCBI_TaxID=6239;
RN [1]
RP SEQUENCE FROM N.A.
RA Lennard N.;
RL Submitted (JUN-1996) to the EMBL/GenBank/DBJ databases.
DR EMBL; AL031623; CAA20938.1; -.
DR EMBL; 274042; CAA20938.1; JOINED.
DR EMBL; 274042; CAA98537.1; -.
DR EMBL; AL031623; CAA98537.1; JOINED.
SQ SEQUENCE 688 AA; 79362 MW; 12C3C73C414983BF CRC64;

Query Match 100.0%; Score 31; DB 5; Length 688;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
Db 384 EEVPEVWPEK 394

RESULT 124
Q91YS3 ID Q91YS3 PRELIMINARY; PRT; 708 AA.
AC Q91YS3;
DT 01-DEC-2001 (T-EMBLrel. 19, Created)
DT 01-DEC-2001 (T-EMBLrel. 19, Last sequence update)
DT 01-DEC-2001 (T-EMBLrel. 19, Last annotation update)
DE Similar to phosphoinositol 3-phosphate-binding protein-2.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RA Strausberg R.;
RL Submitted (OCT-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC014853; AAH14853.1; -.
SQ SEQUENCE 708 AA; 80006 MW; 0EECE0E28A3897D7 CRC64;

Query Match 100.0%; Score 31; DB 11; Length 708;
Best Local Similarity 45.5%; Pred. No. 1.5e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
Db 359 EEVPPRPPLP 369

RESULT 125
P70521 ID P70521 PRELIMINARY; PRT; 716 AA.
AC P70521;
DT 01-FEB-1997 (T-EMBLrel. 02, Created)
DT 01-FEB-1997 (T-EMBLrel. 02, Last sequence update)
DT 01-MAR-2002 (T-EMBLrel. 20, Last annotation update)
DE Macrophage stimulating protein precursor.
GN MSP.
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
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RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=LIVER;
RX MEDLINE=97011126; PubMed=8858136;
RA Ohshiro K., Iwama A., Matsuno K., Ezaki T., Sakamoto O., Hamaguchi I.,
RA Takasu N., Suda T.;
RT "Molecular cloning of Rat Macrophage-stimulating protein and its
RT involvement in the Male Reproductive System.";
RL Biochem. Biophys. Res. Commun. 227:273-280(1996).
CC 1- SIMILARITY: BELONGS TO PEPTIDASE FAMILY S1; ALSO KNOWN AS THE
CC TRYPSIN FAMILY.
DR EMBL; X95096; CAA64473.1; -.
DR HSP; P00747; IKN.
DR MEROPS; S01.975; -.
DR InterPro; IPR001314; Chymotrypsin.
DR InterPro; IPR000001; Kringle.
DR InterPro; IPR003014; PAN.
DR InterPro; IPR003609; Pan_app.
DR InterPro; IPR001254; Ser_protease_Try.
DR Pfam; PF00051; kringle; 4.
DR Pfam; PF00024; PAN; 1.
DR Pfam; PF00089; trypsin; 1.
DR PRINTS; PR00722; CHYMOTRYPSIN.
DR PRINTS; PR00018; KRINGLE.
DR ProDom; PD000395; Kringle; 4.
DR SMART; SM00130; KR; 4.
DR SMART; SM00473; PAN_AP; 1.
DR SMART; SM00020; TRYD_SPC; 1.
DR PROSITE; PS00021; KRINGLE_1; 4.
DR PROSITE; PS00070; KRINGLE_2; 4.
DR PROSITE; PS00240; TRYPSIN_DOM; 1.
KW Hydrolase; Serine protease; Signal.
FT SIGNAL 1 31 POTENTIAL.
SQ SEQUENCE 716 AA; 80733 MW; 06B7DF3EF56D921F CRC64;

Query Match 100.0%; Score 31; DB 11; Length 716;
Best Local Similarity 45.5%; Pred. No. 1.5e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
Db 372 EEVPEGCYHG 382

RESULT 126
Q8TBJ7 ID Q8TBJ7 PRELIMINARY; PRT; 748 AA.
AC Q8TBJ7;
DT 01-JUN-2002 (T-EMBLrel. 21, Created)
DT 01-JUN-2002 (T-EMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (T-EMBLrel. 21, Last annotation update)
DE Hypothetical 82.7 kDa protein.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Primates; Catarrhini; Homnidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=BRAIN;
RA Strausberg R.;
RL Submitted (FEB-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC022460; AAH22460.1; -.
KW Hypothetical protein.
SQ SEQUENCE 748 AA; 82666 MW; E9D1B1B40958A59C CRC64;

Query Match 100.0%; Score 31; DB 4; Length 748;
Best Local Similarity 45.5%; Pred. No. 1.5e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
Db 127 EEVPGMDFPG 137
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RESULT 127
Q8WU24
ID Q8WU24 PRELIMINARY; PRT; 758 AA.
AC Q8WU24; 2002 (TReMBLrel. 20, Created)
DT 01-MAR-2002 (TReMBLrel. 20, Last sequence update)
DT 01-MAR-2002 (TReMBLrel. 20, Last annotation update)
DE Similar to hypothetical protein FLJ14743.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=KIDNEY;
RA Strausberg R.;
RL Submitted (DEC-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC019064; AAI19064.1; -.
KW Hypothetical protein.
SQ SEQUENCE 758 AA; 86017 MW; C70233AEEB0C6690 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 758;
Best Local Similarity 45.5%; Pred. NO. 1.6e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 494 EEVVPFCEI 504
|||||:||||:

RESULT 128
Q93M42
ID Q93M42 PRELIMINARY; PRT; 759 AA.
AC Q93M42; 2001 (TReMBLrel. 19, Created)
DT 01-DEC-2001 (TReMBLrel. 19, Last sequence update)
DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)
DE x-prolyl dipeptidyl-peptidase.
OS Streptococcus gordonii
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;
OC Streptococcaceae; Streptococcus.
OX NCBI_TaxID=1302;
RN [1]
RP SEQUENCE FROM N.A.
RC MEDLINE=21391809; PubMed=11500422;
RA Goldstein J.M., Banbula A., Kordula T., Mayo J.A., Travis J.;
RT "Novel Extracellular x-Prolyl Dipeptidyl-peptidase (DPP) from
RT Streptococcus gordonii FSS2: an Emerging Subfamily of Viridans
RT Streptococcal x-Prolyl DPPs."
RL Infect. Immun. 69:5494-5501(2001).
DR EMBL; AY032733; AAK39633.1; -.
DR MEROPS; S15.001; -.
DR InterPro; IPR001064; Crystallin.
DR Pfam; PF002129; Peptidase_S15; 1.
DR PROSITE; PS00225; CRYSTALLIN_BETAGAMMA; UNKNOWN_1.
SQ SEQUENCE 759 AA; 87114 MW; 74C9CF96483FAB44 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 759;
Best Local Similarity 45.5%; Pred. NO. 1.6e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 695 EEVVPNOMMEL 705
|||||:||||:

RESULT 129
Q9VWU5
ID Q9VWU5 PRELIMINARY; PRT; 765 AA.
AC Q9VWU5; 2000 (TReMBLrel. 13, Created)
DT 01-MAY-2000 (TReMBLrel. 13, Last sequence update)
DE CG13654 protein.
GN CG13654.

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DT 01-MAY-2000 (TReMBLrel. 13, Last sequence update)
DT 01-MAR-2002 (TReMBLrel. 20, Last annotation update)
DE CG15050 protein.
GN CG12610 OR CG15049 OR CG15050.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RC MEDLINE=20196006; PubMed=10731132;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Ananidis P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazer R.G., Champe M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Abail J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferrieria S., Fleischmann W.,
RA Fosler C., Gabriellian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA Harris N.L., Harvey D., Helman T.J., Hernandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai X.,
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleß J.M.,
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,
RA Swirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
RA Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissbach J.,
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
RT "The genome sequence of Drosophila melanogaster."
RL Science 287:2185-2195(2000).
DR EMBL; AE003508; AAP48842.1; -.
DR FlyBase; FBgn0030924; CG12610.
DR SEQUENCE 765 AA; 83093 MW; 6C1FEB44E4D94649 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 765;
Best Local Similarity 45.5%; Pred. NO. 1.6e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 593 EEVVPDFYDS 603
|||||:||||:

RESULT 130
Q9VBW1
ID Q9VBW1 PRELIMINARY; PRT; 794 AA.
AC Q9VBW1; 2000 (TReMBLrel. 13, Created)
DT 01-MAY-2000 (TReMBLrel. 13, Last sequence update)
DT 01-MAR-2002 (TReMBLrel. 20, Last annotation update)
DE CG13654 protein.
GN CG13654.

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OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
 OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID=7227;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BERKLEY;  
 RX MEDLINE=20196006; PubMed=10731132;  
 RA Adams M.D., Celisner S.E., Holt R.A., Evans C.A., Gocayne J.D.,  
 RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F.,  
 RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,  
 RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,  
 RA Brandon R.C., Rogers Y.-H.C., Blazer R.G., Champe M., Pfeiffer B.D.,  
 RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,  
 RA Abell J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,  
 RA Ballwey R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,  
 RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,  
 RA Borkova D., Botchan M.R., Bouck J., Brockstein P., Brottier P.,  
 RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,  
 RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,  
 RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,  
 RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,  
 RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,  
 RA Folsler C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,  
 RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,  
 RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J.,  
 RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,  
 RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,  
 RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,  
 RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,  
 RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,  
 RA Merkulov G., Milshina N.V., Mobarri C., Morris J., Moshrefi A.,  
 RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,  
 RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleb J.M.,  
 RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,  
 RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,  
 RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,  
 RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,  
 RA Svirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,  
 RA Wang Z.-Y., Wassarman D.A., Weinstein G.M., Weissbach J.,  
 RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,  
 RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,  
 RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,  
 RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;  
 RT "The genome sequence of Drosophila melanogaster."  
 RL Science 287:2185-2195(2000).  
 DR EMBL; AF003751; AAF56416.1; -;  
 DR FlyBase; FBgn0039290; CG13654.  
 DR InterPro; IPR001092; HLH\_basic.  
 DR PROSITE; PS00038; HELIX\_LOOP\_HELIX; UNKNOWN\_1.  
 SQ SEQUENCE 794 AA; 89171 MW; CD03F299B9B2E0BE CRC64;  
 Query Match 100.0%; Score 31; DB 5; Length 794;  
 Best Local Similarity 45.5%; Pred. No. 1.6e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 531 EEVVPVAVSNTS 541  
 ID Q9XZT9 PRELIMINARY; PRT; 796 AA.  
 AC Q9XZT9;  
 DT 01-NOV-1999 (TrEMBLrel. 12, Created)  
 DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Titin (Fragment).  
 GN SLS OR TITIN OR CG1915.  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;

OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID=7227;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Zhang Y.Q., Featherstone D., Davis W., Rushton E., Broadie K.S.;  
 RT "Titin is required for myoblast fusion and sarcomere organization."  
 RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.  
 CC -!- SIMILARITY: CONTAINS 1 SH3 DOMAIN.  
 DR EMBL; AJ238577; CAB43739.2; -;  
 DR HSSP; P56276; 1TLK.  
 DR FlyBase; FBgn0003432; sIs.  
 DR InterPro; IPR003598; Ig\_c2.  
 DR InterPro; IPR003006; Ig\_MHC.  
 DR Pfam; PF00047; ig; 1.  
 DR Pfam; PF00018; SH3; 1.  
 DR SMART; SM00408; Igc2; 1.  
 DR SMART; SM00326; SH3; 1.  
 DR PROSITE; PS00002; SH3; 1.  
 KW Immunoglobulin domain; SH3 domain.  
 FT NON\_TER 1  
 FT NON\_TER 796  
 SQ SEQUENCE 796 AA; 91476 MW; 47C1CF2B5504F5F8 CRC64;  
 Query Match 100.0%; Score 31; DB 5; Length 796;  
 Best Local Similarity 45.5%; Pred. No. 1.7e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 109 EEVVPPEIVEE 119  
 RESULT 132  
 Q8SD65 PRELIMINARY; PRT; 816 AA.  
 ID Q8SD65  
 AC Q8SD65;  
 DT 01-JUN-2002 (TrEMBLrel. 21, Created)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)  
 DE PHKZ097.  
 OS Pseudomonas phage phiKZ.  
 OC Viruses; dsDNA viruses, no RNA stage; Caudovirales; Myoviridae.  
 OX NCBI\_TaxID=169683;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=21914557; PubMed=11916376;  
 RA Mesyanzhinov V.V., Robben J., Grymonprez B., Kostyuchenko V.A.,  
 RA Bourkaltseva M.V., Sykylinda N.N., Krylov V.N., Volckaert G.;  
 RT "The genome of bacteriophage phiKZ of Pseudomonas aeruginosa."  
 RL J. Mol. Biol. 317:1-19(2002).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RA Mesyanzhinov V.V., Robben J., Grymonprez B., Kostyuchenko V.A.,  
 RA Bourkaltseva M.V., Sykylinda N.N., Krylov V.N., Volckaert G.;  
 RL Submitted (JUL-2001) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AF399011; AAL82998.1; -;  
 SQ SEQUENCE 816 AA; 87816 MW; 0208BDFAD0861DF3 CRC64;  
 Query Match 100.0%; Score 31; DB 9; Length 816;  
 Best Local Similarity 45.5%; Pred. No. 1.7e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 83 EEVVPPEIVEE 93  
 RESULT 133  
 Q9USH9 PRELIMINARY; PRT; 822 AA.  
 ID Q9USH9  
 AC Q9USH9;





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KW Heme.
SQ SEQUENCE 877 AA; 96010 MW; 09248CLB3337371C CRC64;

Query Match 100.0%; Score 31; DB 10; Length 877;
Best Local Similarity 45.5%; Pred. No. 1.9e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
    |||||:
Db 343 EEVVPAAAGTY 353

RESULT 137
Q8YGV0
ID Q8YGV0 PRELIMINARY; PRT; 891 AA.
AC Q8YGV0;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Ribonuclease E / zinc metalloprotease (EC 3.1.4.-).
GN BMEI1057.
OS Brucella melitensis.
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;
OC Brucellaceae; Brucella.
OX NCBI_TaxID=29459;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=16M / ATCC 23456 / BIOTYPE 1;
RX MEDLINE=20020109; PubMed=11756688;
RA DelVecchio V.G., Kapral V., Redkar R.J., Patra G., Mujar C., Los T.,
RA Ivanova N., Anderson I., Bhattacharyya A., Lykidis A., Reznik G.,
RA Jablonski L., Larsen N., D'Souza M., Bernal A., Mazur M., Goltsman E.,
RA Selkov E., Elzer P.H., Hagius S., O'Callaghan D., Letesson J.-J.,
RA Haselkorn R., Kyrides N., Overbeek R.;
RT "The genome sequence of the facultative intracellular pathogen
RT Brucella melitensis.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:443-448(2002).
DR EMBL: AE009545; AAL52238.1; -.
DR InterPro: IPR004659; RNaseEG.
DR Pfam: PF00575; SI; 1.
DR TIGRFAMs: TIGR00757; RNaseEG; 1.
KW Hydrolase; Complete proteome.
SQ SEQUENCE 891 AA; 100323 MW; B76EDDFC870C0CC CRC64;

Query Match 100.0%; Score 31; DB 16; Length 891;
Best Local Similarity 45.5%; Pred. No. 1.9e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
    |||||:
Db 818 EEVVPKPKRR 828

RESULT 138
Q9UPX1
ID Q9UPX1 PRELIMINARY; PRT; 903 AA.
AC Q9UPX1;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE KIAA1029 protein.
GN KIAA1029.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=BRN;
RX Kikuno R., Nagase T., Ishikawa K., Hirose M., Miyajima N.,
RA Tanaka A., Kotani H., Nomura N., Ohara O.;

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RT "Prediction of the coding sequences of unidentified human genes. XIV.
RT The complete sequences of 100 new cDNA clones from brain which code
RT for large proteins in vitro."
RL DNA Res. 6:197-205(1999).
DR EMBL: AB028952; BAA82981.1; -.
DR InterPro: IPR002965; P_Rich_extensn.
DR PRINIS: PRO1217; PRICHEXTENS.
SQ SEQUENCE 903 AA; 96396 MW; 5F0COA39635750B4 CRC64;

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Query Match 100.0%; Score 31; DB 4; Length 903;
Best Local Similarity 45.5%; Pred. No. 1.9e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EEVVPXXXXXX 11
    |||||:
Db 446 EEVVPWASCL 456

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RESULT 139
Q9VZR6
ID Q9VZR6 PRELIMINARY; PRT; 905 AA.
AC Q9VZR6;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE CG12009 protein.
GN CG12009.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RX MEDLINE=20196006; PubMed=10731132;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazej R.G., Champe M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Abil J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brotlier P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,
RA Folsler C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA Harris N.L., Harvey D., Helman T.J., Hernandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,
RA Jafarizadeh M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Paclet J.M.,
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA Shue B.C., Siden-Kiamos I., Simpson M.D., Skupski M.P., Smith T.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,
RA Svirskaas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
RA Wang Z.-Y., Wassarman D.A., Weinstein G.M., Weissbach J.,
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
RT "The genome sequence of Drosophila melanogaster.";

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RA	Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P., de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M., Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P., Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W., Foster C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K., Glodok A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M., Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J., Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C., Jamal M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A., Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z., Laslo P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X., Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D., Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A., Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L., Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacieb J.M., Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G., Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H., Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T., Spier E., Spradling A.C., Stapleton M., Strong R., Sun E., Svirkas R., Tector C., Turner R., Venter E., Wang A.H., Wang X., Wang Z.-Y., Wasserman D.A., Weinstein G.M., Weissenbach J., Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A., Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L., Zheng X.-H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O., Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;	100.0%;	Score 31;	DB 5;	Length 932;
SK	"The genome sequence of Drosophila melanogaster.";				
RL	Science 287:2185-2195(2000).				
DR	EMBL: AE003478; AAF4774.1; --				
DR	FlyBase: FBgn0026259; c1F2.				
DR	InterPro: IPR004161; EFTU_D2.				
DR	InterPro: IPR000795; EF-GTPbind.				
DR	InterPro: IPR005225; Small-GTP.				
DR	Pfam: PF000009; GTP-EFTU.1.				
DR	Pfam: PF03144; GTP-EFTU.D2.1.				
DR	PRINTS: PR00315; ELONGATNCT.				
DR	TIGRfams: TIGR00231; small_GTP.1.				
DR	GTP-binding; Protein biosynthesis.				
SK	SEQUENCE 932 AA; 102828 MW; 3899C68FF38ED23F CRC64;				
QY	Query Match	100.0%;	Score 31;	DB 5;	Length 932;
DB	Best Local Similarity	45.58;	pred. No. 1.9e+03;		
	Matches	5;	Conservative	6;	Mismatches 0; Indels 0; Gaps
	QY	1 EEVVPXXXXX 11			
		:			
	DB	79 EEVVPAGKAS 89			
RESULT 143					
Q9VFK9	Q9VFK9 . PRELIMINARY; PRT; 941 AA.				
IC	Q9VFK9;				
AD	01-MAY-2000 (TReMBLrel. 13, Created)				
DT	01-MAY-2000 (TReMBLrel. 13, Last sequence update)				
DE	01-MAY-2002 (TReMBLrel. 20, Last annotation update)				
DE	SU(HW) protein.				
GN	SU(HW) OR SU OR CG9573.				
OS	Drosophila melanogaster (Fruit fly).				
OC	Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;				
OC	Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;				
OC	Ephydroidea; Drosophilidae; Drosophila.				
OX	NCBI_TaxID=7227;				
RN	[1]				
RP	SEQUENCE FROM N.A.				
RC	STRAIN=BERKELEY;				
RC	MEDLINE=20196006; PubMed=10731132;				
RA	Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D., Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F., George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N., Sutton G.G., Wortman J.R., Yeaman M.D., Zhang Q., Chen L.X., Brandon R.C., Rogers J., White M., Zheng X., Zheng L., Zheng L., Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G., Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,				

RA	Balw R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA	Beeson K.Y., Betanc P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA	Borkova D., Botchan M.R., Bouck J., Brokstein P., Brotier P.,
RA	Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA	Cherry J.M., Cawley S., Dahke C., Davenport L.B., Davies P.,
RA	de Pablo S., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA	Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA	Durbin K.J., Evangelista C.C., Ferraz C., Ferriera S., Fleischmann W.,
RA	Foster C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA	Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA	Harris N.L., Harvey D., Helman T.J., Hernandez J.R., Houck J.,
RA	Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,
RA	Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,
RA	Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA	Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
RA	Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,
RA	Merkulov G., Milshina N.V., Mobarry C., Mcorris J., Moshrefi A.,
RA	Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,
RA	Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleb J.M.,
RA	Palaizolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA	Reinhart K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA	Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA	Spirer E., Spradling A.C., Stapleton M., Strong R., Sun E.,
RA	Svirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
RA	Wang Z.-Y., Wassarman D.A., Weinstein G.M., Weissbach J.,
RA	Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
RA	Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA	Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,
RA	Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
RT	"The genome sequence of Drosophila melanogaster.";
RT	Science 287:2185-2195(2000).
DR	EMBL; AE003704; AAF55043.1; -.
DR	HSSP; P07248; 2ADR
DR	FlyBase; FBgn0003567; su(Hw).
DR	InterPro; IPR000822; ZnF_C2H2.
DR	Pfam; PF00096; zf-C2H2; 12.
DR	SMART; SM00355; ZnF_C2H2; 11.
DR	PROSITE; PS00028; ZINC_FINGER_C2H2_1; 10..
DR	PROSITE; PS0157; ZINC_FINGER_C2H2_2; 10.
KW	DNA-binding; Metal-binding; Zinc-finger.
SQ	SEQUENCE 941 AA; 105779 MW; 60C6243AD08BF961 CRC64;
Query Match 100.0%; Score 31; DB 5; Length 941;	
Best Local Similarity 45.5%; Pred. No. 2e+03;	
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;	
QY	1 EEVVPXXXXXX 11
:::	
Db	168 EEVVGPIENN 178
RESULT 144	
Q9S749	
ID	PRELIMINARY; PRT; 948 AA.
AC	Q9S749;
DT	01-MAY-2000 (TrEMBLrel. 13, Created)
DD	01-WAY-2000 (TrEMBLrel. 13, Last sequence update)
DE	01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE	Putative polynucleotide phosphorylase.
GN	T12J13.1 OR F20H23.26
OS	Arabidopsis thaliana (Mouse-ear cress).
OC	Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC	Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
OC	eurosid II; Brassicales; Brassicaceae; Arabidopsids.
NCBI_TaxID=3702;	
RN	[1]
RN	SEQUENCE FROM N.A.
RC	STRAIN=CV. COLUMBIA;
RA	Lin X., Kaul S., Town C.D., Benito M., Creasy T.H., Haas B.,
RA	Renning C.M., Koo H., Fujii C.Y., Utterback T.R., Barnstead M.E.,
RA	Bowman C.L., White O., Nierman W.C., Fraser C.M.;
RT	"Arabidopsis thaliana chromosome III BAC T12J13 genomic sequence.";
RT	Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.



Db 574 EEVPLNTCNE 584

## RESULT 147

O13397  
ID O13397 PRELIMINARY; PRT; 1055 AA.  
AC O13397  
DT 01-JAN-1998 (TReMBLrel. 05, Created)  
DT 01-JAN-1998 (TReMBLrel. 05, Last sequence update)  
DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)  
DE P-type ATPase 1.  
GN ENAL.  
OS Debaromyces occidentalis (Yeast) (Schwanniomyces occidentalis).  
OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;  
OC Saccharomycetales; Saccharomycetaceae; Debaromyces.  
OX NCBI\_TaxID=27300;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=98104151; PubMed=9430707;  
RA Banuelos M.A., Rodriguez-Navarro A.;  
RT "P-type ATPases mediate sodium and potassium effluxes in  
Schwanniomyces occidentalis.";  
RL J. Biol. Chem. 273:1640-1646(1998).  
DR EMBL; AF030860; AAB86426.1;  
DR HSP; P04191; 1EUL.  
DR InterPro; IPR001757; ATPase\_E1-E2.  
DR InterPro; IPR004014; Cation\_ATPase.  
DR InterPro; IPR000661; H/K\_Na/K\_ATPase.  
DR InterPro; IPR001454; Hlgnaase/hydrilase.  
DR Pfam; PF00689; Cation\_ATPase\_C; 1.  
DR Pfam; PF00690; Cation\_ATPase\_N; 1.  
DR Pfam; PF00122; El-E2\_ATPase; 1.  
DR Pfam; PF00702; Hydrolase; 1.  
DR PRINTS; PR00119; CATATPASE.  
DR PROSITE; PS00154; ATPASE\_E1\_E2; UNKNOWN.1.  
SQ SEQUENCE 1055 AA; 116651 MW; 0E9287887AFFB440 CRC64;

Query Match 100.0%; Score 31; DB 3; Length 1055;  
Best Local Similarity 45.5%; Pred. No. 2.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|:|:|:|

Db 153 EEVVPGLDHI 163

## RESULT 148

O91IE9  
ID O91IE9 PRELIMINARY; PRT; 1075 AA.  
AC O91IE9  
DT 01-DEC-2001 (TReMBLrel. 19, Created)  
DT 01-DEC-2001 (TReMBLrel. 19, Last sequence update)  
DT 01-DEC-2001 (TReMBLrel. 19, Last annotation update)  
DE Hypothetical 122.5 kDa protein.  
OS Lymantria dispar cypovirus 14.  
OC Viruses; dsRNA viruses; Reoviridae; Cypovirus.  
OX NCBI\_TaxID=165429;  
RN [1]  
RP SEQUENCE FROM N.A.  
RA Rao S., Shapiro M., Lynn D., Haglwar, K., Dean R., Carner G.R.;  
RT "Identification of electrophoretotypes of two cypoviruses from a dual  
infection in gypsy moth, Lymantria dispar.";  
RL Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AF389455; AAK73090.1;  
KW Hypothetical protein.  
SQ SEQUENCE 1075 AA; 122488 MW; B53EF2507C63D79B CRC64;

Query Match 100.0%; Score 31; DB 12; Length 1075;  
Best Local Similarity 45.5%; Pred. No. 2.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|:|:|:|

Db 371 EEVVPVILSPY 381

## RESULT 149

O9C1R0  
ID O9C1R0 PRELIMINARY; PRT; 1076 AA.  
AC O9C1R0  
DT 01-JUN-2001 (TReMBLrel. 17, Created)  
DT 01-JUN-2001 (TReMBLrel. 17, Last sequence update)  
DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)  
DE ATPase ENAL.  
GN ENAL.  
OS Debaromyces hansenii (Yeast) (Torulaspora hansenii).  
OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;  
OC Saccharomycetales; Saccharomycetaceae; Debaromyces.  
OX NCBI\_TaxID=4959;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=21225550; PubMed=11325955;  
RA Almado A., Prista C., Benito B., Loureiro-Dias M.C., Ramos J.;  
RT "Cloning and Expression of Two Genes Coding for Sodium Pumps in the  
Salt-Tolerant Yeast Debaromyces hansenii.";  
RL J. Bacteriol. 183:3251-3255(2001).  
DR EMBL; AF247561; AAK28385.1;  
DR HSP; P04191; 1EUL.  
DR InterPro; IPR001757; ATPase\_E1-E2.  
DR InterPro; IPR004014; Cation\_ATPase.  
DR InterPro; IPR000661; H/K\_Na/K\_ATPase.  
DR InterPro; IPR001454; Hlgnaase/hydrilase.  
DR Pfam; PF00689; Cation\_ATPase\_C; 1.  
DR Pfam; PF00690; Cation\_ATPase\_N; 1.  
DR Pfam; PF00122; El-E2\_ATPase; 1.  
DR Pfam; PF00702; Hydrolase; 1.  
DR PRINTS; PR00119; CATATPASE.  
DR PROSITE; PS00154; ATPASE\_E1\_E2; UNKNOWN.1.  
SQ SEQUENCE 1076 AA; 118607 MW; 0858F5CECB65DD62 CRC64;

Query Match 100.0%; Score 31; DB 3; Length 1076;  
Best Local Similarity 45.5%; Pred. No. 2.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|:|:|:|

Db 171 EEVVPGLVVC 181

## RESULT 150

O43001  
ID O43001 PRELIMINARY; PRT; 1076 AA.  
AC O43001  
DT 01-JUN-1998 (TReMBLrel. 06, Created)  
DT 01-JUN-1998 (TReMBLrel. 06, Last sequence update)  
DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)  
DE Hypothetical 121.8 kDa protein C2G2.02 in chromosome II.  
GN SPBC2G2.02  
OS Schizosaccharomyces pombe (Fission yeast).  
OC Eukaryota; Fungi; Ascomycota; Schizosaccharomycetes;  
OC Schizosaccharomycetales; Schizosaccharomycetaceae;  
OX NCBI\_TaxID=4896;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=972;  
RA Wood V., Rajandream M.A., Barrell B.G., Devlin K., Churcher C.M.;  
RL Submitted (MAR-1998) to the EMBL/GenBank/DBJ databases.  
CC -1- SIMILARITY: BELONGS TO THE INOSITOL-1,4,5-TRISPHOSPHATE  
5-PHOSPHATASE TYPE II FAMILY.  
CC EMBL; AL022103; CAA17882.1;  
DR InterPro; IPR005135; Exo\_endo\_phos.  
DR InterPro; IPR000300; IPPC.  
DR InterPro; IPR002013; Syja\_N.  
DR Pfam; PF03372; Exo\_endo\_phos; 1.  
DR Pfam; PF02383; Syja\_N; 1.

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DR SMART; SM00128; IPPC; 1.
KW Hypothetical protein; Hydrolase.
FT DOMAIN 1025 1030 POLY-SER.
SQ SEQUENCE 1076 AA; 121821 MW; 5E26C9BF43AF20B8 CRC64;

Query Match 100.0%; Score 31; DB 3; Length 1076;
Best Local Similarity 45.5%; Pred. No. 2.3e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
    |||||:||||:
Db 750 EEVVPICAQK 760

RESULT 151
O13398 PRELIMINARY; PRT; 1082 AA.
AC O13398;
DT 01-JAN-1998 (TREMBLrel. 05, Created)
DT 01-JAN-1998 (TREMBLrel. 05, Last sequence update)
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)
DE P-type ATPase 2.
GN ENA2.
OS Debaryomyces occidentalis (Yeast) (Schwanniomyces occidentalis).
OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
OC Saccharomycetales; Saccharomycetaceae; Debaryomyces.
OX NCBI_TaxID=27300;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=98104151; PubMed=9430707;
RA Banuelos M.A., Rodriguez-Navarro A.;
RT "P-type ATPases mediate sodium and potassium effluxes in
Schwanniomyces occidentalis";
RL J. Biol. Chem. 273:1840-1846(1998).
DR EMBL; AF030861; AAB8427.1; -.
DR HSP; P04191; 1EUL.
DR InterPro; IPR001757; ATPase_E1-E2.
DR InterPro; IPR004014; Cation_ATPase.
DR InterPro; IPR000661; H/K_Na/K_ATPase.
DR InterPro; IPR001454; Hlgase/hydrolase.
DR Pfam; PF00689; Cation_ATPase_C; 1.
DR Pfam; PF00690; Cation_ATPase_N; 1.
DR Pfam; PF00122; E1-E2_ATPase; 1.
DR Pfam; PF00702; Hydrolase; 1.
DR PRINTS; PR001119; CATATPASE.
DR PROSITE; PS00154; ATPASE_E1_E2; UNKNOWN_1.
DR PROSITE; PS00154; ATPASE_E1_E2; UNKNOWN_1.
SQ SEQUENCE 1082 AA; 119901 MW; 064327E6EC751293 CRC64;

Query Match 100.0%; Score 31; DB 3; Length 1082;
Best Local Similarity 45.5%; Pred. No. 2.3e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
    |||||:||||:
Db 160 EEVVPGDVHI 170

RESULT 152
Q9TYW4 PRELIMINARY; PRT; 1084 AA.
AC Q9TYW4;
DT 01-MAY-2000 (TREMBLrel. 13, Created)
DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)
DT 01-MAR-2002 (TREMBLrel. 20, Last annotation update)
DE Y66H1B.3 protein.
GN Y66H1B.3.
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
OC Rhabditidae; Peloderinae; Caenorhabditis.
OX NCBI_TaxID=6239;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=BRISTOL N2;

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RX MEDLINE=94150718; PubMed=7906398;
RA Wilson R., Ainscough R., Anderson K., Baynes C., Berks M.,
RA Bonfield J., Burton J., Connell M., Copsey T., Cooper J., Coulson A.,
RA Craxton M., Dear S., Du Z., Durbin R., Favello A., Fulton L.,
RA Gardner A., Green P., Hawkins T., Hillier L., Jier M., Johnston L.,
RA Jones M., Kershaw J., Kirsten J., Laister N., Latreille P.,
RA Lightning J., Lloyd C., McMurray A., Mortimore B., O'Callaghan M.,
RA Parsons J., Percy C., Rifkin L., Roopra A., Saunders D., Shownkeen R.,
RA Smaldon N., Smith A., Sonhammer E., Staden R., Sulston J.,
RA Thierry-Mieg J., Thomas K., Vaudin M., Vaughan K., Waterston R.,
RA Watson A., Weinstock L., Wilkinson-Sproat J., Wohlman P.;
RT "2.2 Mb of contiguous nucleotide sequence from chromosome III of C.
elegans.";
RN Nature 368:32-38(1994).
RL [2]
RP SEQUENCE FROM N.A.
RC STRAIN=BRISTOL N2;
RA Clarke K., Wohlmann P.;
RT "The sequence of C. elegans cosmid Y66H1B.";
RN Submitted (OCT-1998) to the EMBL/GenBank/DBJ databases.
RP [3]
RP SEQUENCE FROM N.A.
RC STRAIN=BRISTOL N2;
RA Waterston R.;
RL Submitted (OCT-1998) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF100673; AAC69000.1; -.
DR HSP; Q01082; 1BKR.
DR InterPro; IPR001715; Calponin-like.
DR InterPro; IPR001298; Filamin.
DR Pfam; PF00307; CH; 2.
DR Pfam; PF00630; Filamin; 4.
DR SMART; SM00033; CH; 2.
DR PROSITE; PS00021; CH; 4.
DR PROSITE; PS00194; FILAMIN_REPEAT; 6.
DR PROSITE; PS00194; FILAMIN_REPEAT; 6.
SQ SEQUENCE 1084 AA; 118625 MW; 29833A036AFC7078 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 1084;
Best Local Similarity 45.5%; Pred. No. 2.3e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
    |||||:||||:
Db 11 EEVVPDIRDD 21

RESULT 153
Q9NJH7 PRELIMINARY; PRT; 1144 AA.
AC Q9NJH7;
DT 01-OCT-2000 (TREMBLrel. 15, Created)
DT 01-OCT-2000 (TREMBLrel. 15, Last sequence update)
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)
DE IF2 protein.
GN CIF2 OR CGI0840.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=20142670; PubMed=10678180;
RA Carrera P., Johnstone O., Nakamura A., Casanova J., Jackle H.,
RA Lasko P.;
RT "Vasa mediates translation through interaction with a Drosophila yIF2
homolog.";
RL Mol. Cell 5:181-187(2000).
DR EMBL; AF143207; AAF36532.1; -.
DR FlyBase; FBgn0026259; CIF2.
DR InterPro; IPR004161; EFTU_D2.
DR InterPro; IPR000795; EF_GTPbind.
DR InterPro; IPR005225; Small_GTP.
DR Pfam; PF00009; GTP_EFTU; 1.

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DR Pfam: PF03144; GTP\_EFTU\_D2; 2.  
 DR PRINTS: PR00315; ELONGATNFCT.  
 DR TIGRFAMS: TIGR00231; small\_GTP; 1.  
 KW GTP-binding; Protein biosynthesis.  
 SQ SEQUENCE 1144 AA; 127203 MW; A035415A3762CFOC CRC64;

Query Match 100.0%; Score 31; DB 5; Length 1144;  
 Best Local Similarity 45.5%; Pred. No. 2.4e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 79 EEVVPKAKAS 89

## RESULT 154

Q9SRD1 ID Q9SRD1 PRELIMINARY; PRT; 1146 AA.

AC Q9SRD1  
 DT 01-MAY-2000 (TRENBLrel. 13, Created)  
 DT 01-MAY-2000 (TRENBLrel. 13, Last sequence update)  
 DT 01-JUN-2002 (TRENBLrel. 21, Last annotation update)  
 DE Putative translation initiation factor IF-2, 74568-78972.  
 GN F28016.19.  
 OS Arabidopsis thaliana (Mouse-ear cress).  
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
 OC eurosids II; Brassicales; Brassicaceae; Arabidopsis.  
 OX NCBI\_TaxID=3702;  
 [1]  
 RN SEQUENCE FROM N.A.

RC STRAIN=CV. COLUMBIA;  
 RA Lin X., Kaul S., Town C.D., Benito M., Creasy T.H., Haas B.J., Wu D.,  
 RA Maiti R., Ronning C.M., Koo H., Fujii C.Y., Utterback T.R.,  
 RA Barnstead M.E., Bowman C.L., White O., Nierman W.C., Fraser C.M.;  
 RT "Arabidopsis thaliana chromosome 1 BAC F28016 genomic sequence."  
 RL Submitted (OCT-2000) to the EMBL/GenBank/DBJ databases.  
 DR EMBL: AC010718; AAF04443.1;  
 DR InterPro: IPR004161; EFTU\_D2;  
 DR InterPro: IPR000795; EF\_GTPbind.  
 DR InterPro: IPR002132; Ribosomal\_L5.  
 DR InterPro: IPR005225; Small\_GTP.

DR Pfam: PF03144; GTP\_EFTU; 1.  
 DR PRINTS: PR00315; ELONGATNFCT.  
 DR TIGRFAMS: TIGR00231; small\_GTP; 1.  
 DR PROSITE: PS00358; RIBOSOMAL\_L5; UNKNOWN\_1.  
 DR GTP-binding; Initiation factor; Protein biosynthesis.  
 KW GTP-binding; Initiation factor; BFFDF4F41ED8799 CRC64;  
 SQ SEQUENCE 1146 AA; 126952 MW; BFFDF4F41ED8799 CRC64;

Query Match 100.0%; Score 31; DB 10; Length 1146;  
 Best Local Similarity 45.5%; Pred. No. 2.4e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 86 EEVVPDAFVG 96

## RESULT 155

Q9N4H7 ID Q9N4H7 PRELIMINARY; PRT; 1232 AA.

AC Q9N4H7  
 DT 01-OCT-2000 (TRENBLrel. 15, Created)  
 DT 01-OCT-2001 (TRENBLrel. 18, Last sequence update)  
 DT 01-MAR-2002 (TRENBLrel. 20, Last annotation update)  
 DE Hypothetical 137.7 kDa protein.  
 GN Y1F9AL.17.  
 OS Caenorhabditis elegans.  
 OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;  
 OC Rhabditidae; Peloderinae; Caenorhabditis.  
 OX NCBI\_TaxID=6239;  
 [1]

RP SEQUENCE FROM N.A.  
 RC STRAIN=BRISTOL N2;  
 RX MEDLINE=99069613; PubMed=9851916;  
 RA None;  
 RT "Genome sequence of the nematode C. elegans: a platform for  
 RT investigating biology. The C. elegans Sequencing Consortium.";  
 RN Science 282:2012-2018(1998).  
 [2]

RP SEQUENCE FROM N.A.  
 RC STRAIN=BRISTOL N2;  
 RA Bradshaw-Cordum H., Scott K., Graves T.;  
 RT "The sequence of C. elegans cosmid Y1F9AL.";  
 RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.  
 [3]

RP SEQUENCE FROM N.A.  
 RC STRAIN=BRISTOL N2;  
 RA Waterston R.;

RT "Direct Submission.";  
 RL Submitted (SEP-2001) to the EMBL/GenBank/DBJ databases.  
 CC -1- SIMILARITY: CONTAINS 7 WD REPEATS (TRP-ASP DOMAINS).

DR EMBL: AC024200; AAF36010.2;  
 DR InterPro: IPR001706; Ribosomal\_L35.

DR InterPro: IPR001680; WD40.  
 DR Pfam: PF004400; WD40; 7.

DR PRINTS: PR00320; GPROTEINRPT.  
 DR PRODOM: PD000018; WD40; 5.

DR SMART: SM00320; WD40; 7.  
 DR PROSITE: PS00936; RIBOSOMAL\_L35; UNKNOWN\_1.

DR PROSITE: PS00678; WD\_REPEATS\_1; UNKNOWN\_1.  
 DR PROSITE: PS00082; WD\_REPEATS\_2; 6.

DR PROSITE: PS0294; WD\_REPEATS\_REGION; 1.  
 DR PROSITE: PS0294; WD\_REPEATS\_REGION; 1.

KW Hypothetical protein; Repeat; WD repeat.  
 SQ SEQUENCE 1232 AA; 137706 MW; 17CBE054630BFA76 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 1232;  
 Best Local Similarity 45.5%; Pred. No. 2.6e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 914 EEVVPNPAV 924

## RESULT 156

Q47766 ID Q47766 PRELIMINARY; PRT; 1306 AA.

AC Q47766  
 DT 01-NOV-1996 (TRENBLrel. 01, Created)  
 DT 01-NOV-1996 (TRENBLrel. 01, Last sequence update)  
 DT 01-JUN-2002 (TRENBLrel. 21, Last annotation update)  
 DE Aggregation substance (ASPI) precursor.  
 GN ASPI.

OS Enterococcus faecalis (Streptococcus faecalis).  
 OG Plasmid pPDI.

OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;  
 OC Enterococcaceae; Enterococcus.

OX NCBI\_TaxID=1351;  
 RN [1]

RP SEQUENCE FROM N.A.  
 RC STRAIN=OG1X;

RX MEDLINE=92349958; PubMed=1640831;  
 RA Galli D., Friesenegger A., Wirth R.;

RT "Transcriptional control of sex-pheromone-inducible genes on plasmid  
 RT pADI of Enterococcus faecalis and sequence analysis of a third  
 RT structural gene for (pPDI-encoded) aggregation substance.";  
 RL Mol. Microbiol. 6:1297-1308(1992).

DR EMBL: X62656; CAA44520.1;  
 DR InterPro: IPR001899; Gram\_pos\_anchor.

DR InterPro: IPR000566; Lipocln\_cytfABP.  
 DR Pfam: PF00746; Gram\_pos\_anchor; 1.

DR TIGRFAMS: TIGR01167; LPXTG\_anchor; 1.  
 DR PROSITE: PS00343; GRAM\_POS\_ANCHORING; UNKNOWN\_1.

DR PROSITE: PS00213; LIPOCALIN; UNKNOWN\_1.



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KW Plasmid; Signal.
FT SIGNAL 1 43 POTENTIAL.
FT CHAIN 44 1306 AGGREGATION SUBSTANCE (ASPL).
SQ SEQUENCE 1306 AA; 142971 MW; 4652DA13AA23A7D5 CRC64;

Query Match
Best Local Similarity 100.0%; Score 31; DB 2; Length 1306;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEEVVPXXXXXX 11
Db 91 EEEVVPKGIAAE 101

RESULT 157
Q88304 ID Q88304 PRELIMINARY; PRT; 1341 AA.
AC Q88304
DT 01-NOV-1996 (TReMBLrel. 01, Created)
DT 01-NOV-1996 (TReMBLrel. 01, Last sequence update)
DT 01-DEC-2001 (TReMBLrel. 19, Last annotation update)
DE Glycoprotein precursor polypeptide.
OS Sandfly fever sicilian virus (SFS).
OC Viruses; ssRNA negative-strand viruses; Bunyaviridae; Phlebovirus.
CX NCBI_TaxID=28292;
RN [1]
RP SEQUENCE FROM N.A.
RA Glass P.J., Parker M.D.;
RL Submitted (JUN-1995) to the EMBL/GenBank/DBJ databases.
DR EMBL; U30500; AAA75043.1; -.
SQ SEQUENCE 1341 AA; 148766 MW; DDC656BEDEC4F9B68 CRC64;

Query Match
Best Local Similarity 100.0%; Score 31; DB 12; Length 1341;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEEVVPXXXXXX 11
Db 488 EEEVVPFAIFKN 498

RESULT 158
Q9VOR8 ID Q9VOR8 PRELIMINARY; PRT; 1376 AA.
AC Q9VOR8
DT 01-MAY-2000 (TReMBLrel. 13, Created)
DT 01-MAY-2000 (TReMBLrel. 13, Last sequence update)
DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)
DE CG3229 protein.
GN CG3229
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
CX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RA Strain-BERKELEY.
RX MEDLINE=20196006; PubMed=10731132;
RA Adams M.D., Ceiniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galie R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Vandeil M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazej R.G., Champe M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Abril J.F., Agbayani A., An H.-J., Andrews-Prannkoc C., Baldwin D.,
RA Balow R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
```

RT "A novel maternally expressed gene, ATP10C, encodes a putative  
 RL aminophospholipid translocase associated with Angelman syndrome."  
 Nat. Genet. 28:19-20(2001).  
 [2]

RN SEQUENCE FROM N.A.  
 RX MEDLINE=21313119; PubMed=11353404;  
 RA Herzling L.B.K., Kim S.J., Cook E.H. Jr., Ledbetter D.H.;  
 RT "The human aminophospholipid-transporting ATPase gene ATP10C maps  
 RT adjacent to UBE3A and exhibits similar imprinted expression."  
 Am. J. Hum. Genet. 68:1501-1505(2001).  
 RL EMBL; AB051358; BAB47392.1; -.  
 DR EMBL; AY029504; AAK33100.1; -.  
 DR EMBL; AY029487; AAK33100.1; JOINED.  
 DR EMBL; AY029488; AAK33100.1; JOINED.  
 DR EMBL; AY029489; AAK33100.1; JOINED.  
 DR EMBL; AY029490; AAK33100.1; JOINED.  
 DR EMBL; AY029491; AAK33100.1; JOINED.  
 DR EMBL; AY029492; AAK33100.1; JOINED.  
 DR EMBL; AY029493; AAK33100.1; JOINED.  
 DR EMBL; AY029494; AAK33100.1; JOINED.  
 DR EMBL; AY029495; AAK33100.1; JOINED.  
 DR EMBL; AY029496; AAK33100.1; JOINED.  
 DR EMBL; AY029497; AAK33100.1; JOINED.  
 DR EMBL; AY029498; AAK33100.1; JOINED.  
 DR EMBL; AY029499; AAK33100.1; JOINED.  
 DR EMBL; AY029500; AAK33100.1; JOINED.  
 DR EMBL; AY029501; AAK33100.1; JOINED.  
 DR EMBL; AY029502; AAK33100.1; JOINED.  
 DR EMBL; AY029503; AAK33100.1; JOINED.  
 DR InterPro; IPR001757; ATPase\_E1-E2.  
 DR InterPro; IPR001064; Crystallin.  
 DR InterPro; IPR001454; Hlgase/hydrlase.  
 DR Pfam; PF00702; Hydrolase; 1.  
 DR PROSITE; PS00154; ATPase\_E1\_E2; UNKNOWN\_1.  
 DR PROSITE; PS00225; CRYSTALLIN\_BETAGAMMA; UNKNOWN\_1.  
 DR SEQUENCE 1499 AA; 167687 MW; D4996A4D0635A68D CRC64;

Query Match 100.0%; Score 31; DB 4; Length 1499;  
 Best Local Similarity 45.5%; Pred. No. 3.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 Db 469 EEVVPGRGVS 479

RESULT 160  
 Q9GZ07  
 ID Q9GZ07 PRELIMINARY; PRT; 1503 AA.  
 AC Q9GZ07;  
 DT 01-MAR-2001 (Tremblrel. 16, Created)  
 DT 01-MAR-2001 (Tremblrel. 16, Last sequence update)  
 DT 01-JUN-2002 (Tremblrel. 21, Last annotation update)  
 DE DNA-dependent RNA polymerase.  
 GN TRNAP.  
 OS Plasmodium falciparum.  
 OC Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.  
 OX NCBI\_TaxID=5833;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=21192559; PubMed=11295180;  
 RA Li J., Maga J.A., Cermakian N., Cedergren R., Feagin J.E.;  
 RT "Identification and characterization of a Plasmodium falciparum RNA  
 RT polymerase gene with similarity to mitochondrial RNA polymerases."  
 RL Mol. Biochem. Parasitol. 113:261-269(2001).  
 DR EMBL; AF273674; AAG00950.1; -.  
 DR HSSP; P00573; IARO.  
 DR InterPro; IPR002092; RNA\_pol\_phase.  
 DR Pfam; PF00940; RNA\_pol; 1.  
 DR PROSITE; PS00900; RNA\_POL\_PHASE\_1; 1.  
 DR PROSITE; PS00489; RNA\_POL\_PHASE\_2; 1.  
 DR SEQUENCE 1503 AA; 176999 MW; B89943E9EF6DAC7A CRC64;

Query Match 100.0%; Score 31; DB 5; Length 1503;  
 Best Local Similarity 45.5%; Pred. No. 3.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 Db 333 EEVVPKKKKKN 343

RESULT 161  
 Q35379  
 ID Q35379 PRELIMINARY; PRT; 1528 AA.  
 AC Q35379;  
 DT 01-JAN-1998 (Tremblrel. 05, Created)  
 DT 01-JAN-1998 (Tremblrel. 05, Last sequence update)  
 DT 01-JUN-2002 (Tremblrel. 21, Last annotation update)  
 DE Multidrug resistance protein.  
 GN ABCCL1A.  
 OS Mus musculus (Mouse).  
 OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 OX NCBI\_TaxID=10090;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC TISSUE=MUSCLE;  
 RX MEDLINE=96251691; PubMed=8649356;  
 RA Stride B.D., Valdimarsson G., Gerlach J.H., Wilson G.M., Cole S.P.,  
 RA Deeley R.G.;  
 RT "Structure and expression of the messenger RNA encoding the murine  
 RT multidrug resistance protein, an ATP-binding cassette transporter."  
 RL Mol. Pharmacol. 49:962-971(1996).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC TISSUE=MUSCLE;  
 RA Stride B.D.;  
 RL Submitted (SEP-1997) to the EMBL/GenBank/DBJ databases.  
 CC -1- SIMILARITY: BELONGS TO THE ABC TRANSPORTER FAMILY.  
 DR EMBL; AF022908; AAB80938.1; -.  
 DR HSSP; PI3569; INBD.  
 DR MGD; MGI:102676; Abcccl1.  
 DR InterPro; IPR003593; AAA\_ATPase.  
 DR InterPro; IPR001140; ABCtransprtrTM.  
 DR InterPro; IPR003439; ABC\_transportr.  
 DR InterPro; IPR001395; Algo/ket\_red.  
 DR InterPro; IPR005292; MRP\_assoc.  
 DR Pfam; PF00664; ABC\_membrane; 2.  
 DR Pfam; PF00005; ABC\_tran; 2.  
 DR ProDom; PD000006; ABC\_transportr; 2.  
 DR SMART; SM00382; AAA; 1.  
 DR TIGRFAMs; TIGR00957; MRP\_assoc\_pro; 1.  
 DR PROSITE; PS00211; ABC\_TRANSPORTER; 2.  
 DR PROSITE; PS00063; ALDOKETO\_REDUCTASE\_3; UNKNOWN\_1.  
 KW ATP-binding; Transport.  
 SQ SEQUENCE 1528 AA; 171184 MW; 68FD13667D61DBBB CRC64;

Query Match 100.0%; Score 31; DB 11; Length 1528;  
 Best Local Similarity 45.5%; Pred. No. 3.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 Db 251 EEVVPVLVNW 261

RESULT 162  
 Q8T5Z6  
 ID Q8T5Z6 PRELIMINARY; PRT; 1608 AA.  
 AC Q8T5Z6;  
 DT 01-JUN-2002 (Tremblrel. 21, Created)  
 DT 01-JUN-2002 (Tremblrel. 21, Last sequence update)  
 DT 01-JUN-2002 (Tremblrel. 21, Last annotation update)  
 DE LCCL domain-containing protein CCP2 (Fragment).  
 OS Plasmodium berghei.

OC Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.  
OX NCBI\_TaxID=5821;

RA [1]  
RP SEQUENCE FROM N.A.

RC STRAIN=NR65;

RA Pradel G., Templeton T.J.;

RT "Characterization of a novel LCCL domain-containing protein family  
expressed during the sexual stage of the Plasmodium life cycle.";

RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.

DR EMBL; AF491294; AAM09531.1;

FT NON\_TER 1608 1608

SQ SEQUENCE 1608 AA; 182733 MW; EC29CA4338CALA916 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 1608;

Best Local Similarity 45.5%; Pred. No. 3.4e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPVXXXXX 11

|||||:|||||

Db 117 EEVVPYQAIES 127

RESULT 163

Q8YX14

ID Q8YX14 PRELIMINARY; PRT; 1749 AA.

AC Q8YX14;

DT 01-MAR-2002 (TREMBLrel. 20, Created)

DT 01-MAR-2002 (TREMBLrel. 20, Last sequence update)

DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)

DE Two-component sensor histidine kinase.

GN ALK1229.

OS Anabaena sp. (strain PCC 7120).

OC Bacteria; Cyanobacteria; Nostocales; Nostocaceae; Nostoc.

OX NCBI\_TaxID=103690;

RN [1]

RP SEQUENCE FROM N.A.

RX MEDLINE=21595285; PubMed=11759840;

RA Kaneko T., Nakamura Y., Wolk C.P., Kuritz T., Sasamoto S.,

RA Watanabe A., Iriuchika M., Ishikawa A., Kawashima K., Kimura T.,

RA Kishida Y., Kohara M., Matsumoto M., Matsuno A., Muraki A.,

RA Nakazaki N., Shimpo S., Sugimoto M., Takazawa M., Yamada M.,

RA Yasuda M., Tabata S.;

RT "Complete genomic sequence of the filamentous nitrogen-fixing

cyanobacterium Anabaena sp. strain PCC 7120.";

RL DNA Res. 8:205-213(2001).

DR EMBL; AP003585; BAB73186.1;

DR InterPro; IPR003594; ATPbind\_ATPase.

DR InterPro; IPR004358; Bact\_sens\_pr\_C.

DR InterPro; IPR003018; GAF.

DR InterPro; IPR003661; His\_kinA.

DR InterPro; IPR004359; HIS\_KIN\_sig.

DR InterPro; IPR001610; PAC.

DR InterPro; IPR007000; PAS-assoc\_C.

DR Pfam; PF00571; CBS; 2.

DR Pfam; PF01590; GAF; 1.

DR Pfam; PF02518; HATPase\_c; 1.

DR Pfam; PF00785; PAC; 9.

DR Pfam; PF00989; PAS; 8.

DR Pfam; PF00512; signal; 1.

DR PRINTS; PR00344; BCTRLSENSOR.

DR SMART; SM00116; CBS; 2.

DR SMART; SM00065; GAF; 1.

DR SMART; SM00387; HATPase\_c; 1.

DR SMART; SM00388; Hiska; 1.

DR SMART; SM00086; PAC; 8.

DR SMART; SM00091; PAS; 9.

DR TIGRFAMs; TIGR00229; sensory\_box; 9.

DR PROSITE; PS50109; HIS\_KIN; 1.

DR PROSITE; PS50113; PAC; 9.

DR PROSITE; PS50112; PAS; 7.

DR Kinase; Complete proteome.

KW

SQ SEQUENCE 1749 AA; 198813 MW; 70AEF585C9538706 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 1749;

Best Local Similarity 45.5%; Pred. No. 3.7e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPVXXXXX 11

|||||:|||||

Db 1085 EEVVPHEGLH 1095

RESULT 164

Q942J8

ID Q942J8 PRELIMINARY; PRT; 1920 AA.

AC Q942J8;

DT 01-DEC-2001 (TREMBLrel. 19, Created)

DT 01-DEC-2001 (TREMBLrel. 19, Last sequence update)

DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)

DE Putative microtubule associated protein.

GN B1148D12.3.

OS Oryza sativa (Rice).

OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

OC Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

OC Ehrhartoideae; Oryzeae; Oryza.

OX NCBI\_TaxID=4530;

RN [1]

RP SEQUENCE FROM N.A.

RC STRAIN=CV. NIPPONBARE;

RA Sasaki T., Matsumoto T., Yamamoto K.;

RT "Oryza sativa nipponbare(GA3) genomic DNA, chromosome 1, BAC

clone:B1148D12.";

RL Submitted (MAR-2001) to the EMBL/GenBank/DBJ databases.

DR EMBL; AP003411; BAB64822.1;

DR InterPro; IPR000357; HEAT\_repeat.

DR PROSITE; PS50077; HEAT\_REPEAT; 1.

SQ SEQUENCE 1920 AA; 212194 MW; 992FBB8D58F6BBB1 CRC64;

Query Match 100.0%; Score 31; DB 10; Length 1920;

Best Local Similarity 45.5%; Pred. No. 4.1e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPVXXXXX 11

|||||:|||||

Db 248 EEVPEAAGTN 258

RESULT 165

O97791

ID O97791 PRELIMINARY; PRT; 2000 AA.

AC O97791;

DT 01-MAY-1999 (TREMBLrel. 10, Created)

DT 01-MAY-1999 (TREMBLrel. 10, Last sequence update)

DT 01-DEC-2001 (TREMBLrel. 19, Last annotation update)

DE Titin (Fragment).

GN TITIN.

OS Oryctolagus cuniculus (Rabbit).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Lagomorpha; Leporidae; Oryctolagus.

OX NCBI\_TaxID=9986;

RN [1]

RP SEQUENCE FROM N.A.

RC TISSUE=SOLEUS SKELETAL MUSCLE;

RX MEDLINE=99034591; PubMed=9817758;

RA Gregorio C.C., Trombitas T., Kolmerer B., Stier G., Granzier H.,

RA Kunke K., Suzuki K., Obermayr F., Herrmann B., Sorimachi H.,

RA Labelit S.;

RT "The N terminal of titin spans the Z-Disc. Its interaction with a

novel 19 kDa Lican (T-cap) is required for sarcomeric integrity.";

RL J. Cell Biol. 143:1013-1027(1998).

DR EMBL; Y18102; CAA77028.1;

DR HSSP; P56276; ITHK.

DR InterPro; IPR003598; Ig\_c2.

DR InterPro; IPR003600; Ig\_like.

DR InterPro: IPR003006; Ig\_MHC.  
 DR Pfam: PF00047; Ig; 9.  
 DR SMART: SM00408; IGC2; 4.  
 DR SMART: SM00410; IG-like; 4.  
 KW Immunoglobulin domain.  
 FT NON\_TER 2000 2000  
 SQ SEQUENCE 2000 AA; D157B54C33D5B868 CRC64;

Query Match 100.0%; Score 31; DB 6; Length 2000;

Best Local Similarity 45.5%; Pred. No. 4.3e+03; Indels 0; Gaps 0;

Matches 5; Conservative 6; Mismatches 0;

OY 1 EEVVPXXXXXX 11

|||||:|||||

DB 196 EEVVPKRTKT 206

RESULT 166

Q9DEI3 PRELIMINARY; PRT; 2130 AA.

AC Q9DEI3; 01-MAR-2001 (TREMBLrel. 16, Created)

DT 01-MAR-2001 (TREMBLrel. 16, Last sequence update)

DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)

DE Extracellular matrix protein F22.

OS Gallus gallus (Chicken).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;

OC Gallus.

NCBI\_TaxID=9031;

RN [1]

RP SEQUENCE FROM N.A.

RA Yoon H., Philp N.J.;

RT "Cloning of a new extracellular matrix protein expressed in retina.";

RL Submitted (JAN-2000) to the EMBL/GenBank/DBJ databases.

DR EMBL; AF224275; AAG36791.1; -

DR HSSP; Q92831; 1B91.

DR InterPro: IPR001487; Bromodomain.

DR InterPro: IPR004022; DDT\_dom.

DR InterPro: IPR001739; Methyl-CpG\_bind.

DR InterPro: IPR001965; ZnF\_PHD.

DR Pfam; PF00439; bromodomain; 1.

DR Pfam; PF02791; DDT; 1.

DR Pfam; PF01429; MBD; 1.

DR Pfam; PF00628; PHD; 1.

DR PRINTS; PR00503; BROMODOMAIN.

DR SMART; SM00297; BROMO; 1.

DR SMART; SM00391; MBD; 1.

DR SMART; SM00249; PHD; 1.

DR PROSITE; PS50014; BROMODOMAIN\_2; 1.

KW Matrix protein.

SQ SEQUENCE 2130 AA; 236140 MW; 208C48FB0BA68F70 CRC64;

Query Match 100.0%; Score 31; DB 13; Length 2130;

Best Local Similarity 45.5%; Pred. No. 4.6e+03; Indels 0; Gaps 0;

Matches 5; Conservative 6; Mismatches 0;

OY 1 EEVVPXXXXXX 11

|||||:|||||

DB 746 EEVVPKIRAME 756

RESULT 167

O71209 PRELIMINARY; PRT; 2473 AA.

AC O71209; 01-AUG-1998 (TREMBLrel. 07, Created)

DT 01-AUG-1998 (TREMBLrel. 07, Last sequence update)

DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)

DE Methyltransferase/helicase polyprotein (Fragment).

OS grapevine leafroll-associated virus 2.

OC Viruses; ssRNA positive-strand viruses, no DNA stage; Closteroviridae;

OC Closterovirus.

OX NCBI\_TaxID=64003;

RN [1]

RP SEQUENCE FROM N.A.

RX MEDLINE=98264507; PubMed=9603345;

RA Zhu H.Y., Ling K.S., Goszczynski D.E., McPerson J.R., Gonsalves D.;

RT "Nucleotide Sequence and Genome Organization of Grapevine Leafroll-

RT Associated Virus-2 are Similar to Beet Yellow Virus, the

RT Closterovirus Type Member.";

RL J. Gen. Virol. 79:1289-1298 (1998).

DR EMBL; AF039204; AAC40855.1; -

DR InterPro: IPR000606; Viral\_helicase.

DR InterPro: IPR002588; V\_methyltransf.

DR Pfam; PF01443; Viral\_helicase; 1.

DR Pfam; PF01660; Vmethyltransf; 1.

KW Helicase; Polyprotein; Transferase.

FT NON\_TER 1

SQ SEQUENCE 2473 AA; 277096 MW; F8DEEBA6A58ED425 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 2473;

Best Local Similarity 45.5%; Pred. No. 5.4e+03; Indels 0; Gaps 0;

Matches 5; Conservative 6; Mismatches 0;

OY 1 EEVVPXXXXXX 11

|||||:|||||

DB 389 EEVVPSDITPA 399

RESULT 168

Q9Y6R7

ID Q9Y6R7 PRELIMINARY; PRT; 2843 AA.

AC Q9Y6R7; 01-NOV-1999 (TREMBLrel. 12, Created)

DT 01-NOV-1999 (TREMBLrel. 12, Last sequence update)

DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)

DE Human Fc gamma BP (Fragment).

OS Homo sapiens (Human).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

NCBI\_TaxID=9606;

RN [1]

RP SEQUENCE FROM N.A.

RA Lamerdin J.E., McCready P.M., Richardson P., Sakaldasis G.

RA Burkhardt-Schultz K., Gordon L., Dias J., Scott D., Stilwagen S.

RA Phan H., Velasco N., Do L., Regala W., Terry A., Skowronski E.

RA Danganan L., Erlar A., Christensen M., Georgescu A., Avila J.

RA Johnson G., Attix C., Andreise T., Amico-Keller G., Cosfield J.

RA Duarte S., Lucas S., Bruce R., Thomas P., Quan G., Krommiller B.

RA Arellano A., Sanders C., Ow D., Nolan M., Trong S., Kobayashi A.

RA Olsen A.S., Carrano A.V.;

RT "Sequence analysis of a 2.3 Mb region in 19ql3.1 containing the RYR

gene.";

RL Submitted (JUN-1999) to the EMBL/GenBank/DBJ databases.

DR EMBL; AC007842; AAD39266.1; -

DR HSSP; P55949; 1DME.

DR InterPro: IPR000561; EGF-like.

DR InterPro: IPR003645; FOLN.

DR InterPro: IPR002045; Methylthion\_crust.

DR InterPro: IPR002919; TIL\_Cysrich.

DR InterPro: IPR001007; VWF\_C.

DR Pfam; PF01826; TIL; 6.

DR Pfam; PF00094; vwd; 6.

DR PRINTS; PR00858; MTCRUSTACEAN.

DR SMART; SM00274; FOLN; 4.

DR SMART; SM00214; VWC; 3.

DR SMART; SM00216; VWD; 6.

DR PROSITE; PS01186; EGF\_2; 6.

KW EGF-like domain; Glycoprotein.

FT NON\_TER 2843

SQ SEQUENCE 2843 AA; 301805 MW; D2C35B53281E5269 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 2843;

Best Local Similarity 45.5%; Pred. No. 6.2e+03;

```

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXXX 11
    |||||:||||:
Db 1420 EEEVPPDSPCLP 1430

RESULT 169
Q9N87 PRELIMINARY; PRT; 2903 AA.
AC Q9N87;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Possible putative phosphatidylinositol-kinase.
GN CHL175.
OS Trypanosoma brucei.
OC Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae; Trypanosoma.
OX NCBI_TaxID=5691;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-TREU927;
RA Hall N., Bowman S., Quail M., Ivens A.C., Kay M.P., Bray-Allen S.,
RA Lennard N.J., Clark L.N., Harris B.R., Melville S., Lawson D.,
RA Gerrard C., Rajandream M.A., Barrell B.G.;
RL Submitted (JUN-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL: AL359782; CAB95466.1;
DR InterPro; IPR003151; FAT.
DR InterPro; IPR003152; FATC.
DR InterPro; IPR002016; Peroxidase.
DR InterPro; IPR004043; P13_P14_Kinase.
DR InterPro; IPR000387; TYR_phosphatase.
DR Pfam; PF02259; FAT; 1.
DR Pfam; PF02260; FATC; 1.
DR Pfam; PF00454; P13_P14_Kinase; 1.
DR SMART; SM00146; PI3KC; 1.
DR PROSITE; PS00436; PEROXIDASE_2; UNKNOWN_1.
DR PROSITE; PS00916; P13_4_KINASE_2; 1.
DR PROSITE; PS0290; P13_4_KINASE_3; 1.
DR PROSITE; PS00383; TYR_PHOSPHATASE_1; UNKNOWN_1.
KW Kinase.
SQ SEQUENCE 2903 AA; 324209 MW; 9FB5180E600E6810 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 2903;
Best Local Similarity 45.5%; Pred. No. 6.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXXX 11
    |||||:||||:
Db 957 EEEVPPDTIALS 967

RESULT 170
Q9Q9A7 PRELIMINARY; PRT; 3033 AA.
AC Q9Q9A7;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Genome polyprotein [Contains: envelope glycoprotein E2 (GP68) (GP70) (NS1)].
OS Hepatitis C virus.
OC Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
OC Hepacivirus.
OX NCBI_TaxID=11103;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=NDM59;
RX MEDLINE=21361470; PubMed=11468731;
RA Kurihara C., Ishiyama N., Nishiyama Y., Fukushi S., Kageyama T.,
RA Katsuyama K., Miura S.;
RT "Molecular characterization of hepatitis C virus genotype 2a from the
RT entire sequences of four isolates.";
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J. Med. Virol. 64:466-475(2001).
CC -1- SIMILARITY: TO HEPATITIS C VIRUS ENVELOPE GLYCOPROTEIN E1.
DR EMBL: AF169005; AAF25613.1;
DR HSSP; P27958; IHEI.
DR MEROPS; S29.001; -.
DR MEROPS; U39.001; -.
DR InterPro; IPR001410; DEAD.
DR InterPro; IPR002522; HCV_capsid.
DR InterPro; IPR002521; HCV_core.
DR InterPro; IPR002519; HCV_env.
DR InterPro; IPR002531; HCV_NS1.
DR InterPro; IPR002518; HCV_NS2.
DR InterPro; IPR004109; HCV_NS3.
DR InterPro; IPR000745; HCV_NS4a.
DR InterPro; IPR001490; HCV_NS4b.
DR InterPro; IPR002868; HCV_NS5a.
DR InterPro; IPR002166; HCV_RdRP.
DR Pfam; PF01543; HCV_capsid; 1.
DR Pfam; PF01542; HCV_core; 1.
DR Pfam; PF01539; HCV_env; 1.
DR Pfam; PF01560; HCV_NS1; 1.
DR Pfam; PF01538; HCV_NS2; 1.
DR Pfam; PF02907; HCV_NS3; 1.
DR Pfam; PF01006; HCV_NS4a; 1.
DR Pfam; PF01001; HCV_NS4b; 1.
DR Pfam; PF01506; HCV_NS5a; 1.
DR Pfam; PF00998; HCV_RdRP; 1.
DR ProDom; PD186062; HCV_NS1; 1.
KW ATP-binding; Coat protein; Envelope protein; Glycoprotein; Helicase;
KW Nonstructural protein; Polyprotein; RNA-directed RNA polymerase;
KW Transmembrane.
SQ SEQUENCE 3033 AA; 329226 MW; 21492388CA0D5D8C CRC64;

Query Match 100.0%; Score 31; DB 12; Length 3033;
Best Local Similarity 45.5%; Pred. No. 6.6e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXXX 11
    |||||:||||:
Db 2418 EEEVPGSDSGS 2428

RESULT 171
Q9IBP2 PRELIMINARY; PRT; 3066 AA.
AC Q9IBP2;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Polyprotein.
OS Soybean mosaic virus.
OC Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae;
OC Potyvirus.
OX NCBI_TaxID=12222;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=G7;
RX MEDLINE=92356085; PubMed=1645142;
RA Jayaram C., Hill J.H., Miller W.A.;
RT "Complete nucleotide sequences of two soybean mosaic virus strains
RT differentiated by response of soybean containing the Rsv resistance
RT gene.";
RL J. Gen. Virol. 73:2067-2077(1992).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=G7;
RA Jayaram C., Hill J.H., Miller W.A.;
RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL: AF241739; AAF67344.1;
DR MEROPS; C04.003;
DR InterPro; IPR001410; DEAD.
DR InterPro; IPR001650; Helicase_C.
DR InterPro; IPR001730; Peptidase_C4.
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DR InterPro: IPR001456; Peptidase_C6.
DR InterPro: IPR001592; Poty_coat.
DR InterPro: IPR002540; Poty_P1.
DR InterPro: IPR001205; RNA_pol_P3D.
DR InterPro: IPR001254; Ser_protease_Try.
DR Pfam: PF00271; helicase_C1.
DR Pfam: PF00863; Peptidase_C4; 1.
DR Pfam: PF00851; Peptidase_C6; 1.
DR Pfam: PF00767; Poty_coat; 1.
DR Pfam: PF01577; Poty_P1; 1.
DR PRINTS: PR00966; NIAPONYPASE.
DR SMART: SM00487; DEXDC; 1.
DR SMART: SM00490; HELIC; 1.
DR PROSITE: PS00240; TRYPSIN_DOM; 1.
KW Hydrolase; Serine protease.
FT CHAIN 1 308 P1.
FT CHAIN 309 765 HC-PRO.
FT CHAIN 766 1164 P3.
FT CHAIN 1165 1798 CI.
FT CHAIN 1799 1851 6K.
FT CHAIN 1852 2284 NUCLEAR INCLUSION PROTEIN A.
FT CHAIN 2285 2801 NUCLEAR INCLUSION PROTEIN B.
FT CHAIN 2802 3066 COAT PROTEIN.
SQ SEQUENCE 3066 AA; 349749 MW; DF25ED57A1A2615D CRC64;

Query Match 100.0%; Score 31; DB 12; Length 3066;
Best Local Similarity 45.5%; Pred. No. 6.7e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 532 EEVVPSEGYSK 542
|||||:|||||:

RESULT 172
Q917U3 PRELIMINARY; PRT; 3263 AA.
AC Q917U3;
DT 01-MAR-2001 (Tremblrel. 16, Created)
DT 01-MAR-2001 (Tremblrel. 16, Last sequence update)
DT 01-JUN-2002 (Tremblrel. 21, Last annotation update)
DE CG18857 protein.
GN CG18857 OR CG18245.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RX MEDLINE=20196006; PubMed=10731132;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Anandides P.G., Scher S.E., Li P.W., Hoskins R.A., Galle R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazek R.G., Champagne M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA April J.F., Agbayani A., An H.-J., Andrews-Pfannkuch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brattier P.,
RA Burtis K.C., Busan D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,
RA Foster C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwan C.,
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,

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RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,
RA Nelson D.R., Nelson K.A., Nixon K., Nuskern D.R., Pacleb J.M.,
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,
RA Svirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
RA Wang Z.-Y., Wasserman D.A., Weinstein G.M., Weissbach J.,
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.; ".
RT "The genome sequence of Drosophila melanogaster."
RL Science 287:2185-2195(2000).
DR EMBL: AE003473; AAC22227.1; -.
DR Flybase: FBgn0042183; CG18857.
DR InterPro: IPR003598; Ig_C2.
DR InterPro: IPR003600; Ig_Like.
DR InterPro: IPR003006; Ig_MHC.
DR Pfam: PF00047; Ig; 6.
DR SMART: SM00408; IGC2; 2.
DR SMART: SM00410; IG_Like; 3.
KW Immunoglobulin domain.
SQ SEQUENCE 3263 AA; 373083 MW; 3776DE5CD75E03F3 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 3263;
Best Local Similarity 45.5%; Pred. No. 7.1e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 1600 EEVVPTEETPE 1610
|||||:|||||:

RESULT 173
Q917U4 PRELIMINARY; PRT; 6815 AA.
AC Q917U4;
DT 01-MAR-2001 (Tremblrel. 16, Created)
DT 01-MAR-2001 (Tremblrel. 16, Last sequence update)
DT 01-MAR-2002 (Tremblrel. 20, Last annotation update)
DE CG18242 protein.
GN CG18242.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RX MEDLINE=20196006; PubMed=10731132;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Anandides P.G., Scher S.E., Li P.W., Hoskins R.A., Galle R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazek R.G., Champagne M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA April J.F., Agbayani A., An H.-J., Andrews-Pfannkuch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brattier P.,
RA Burtis K.C., Busan D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,
RA Foster C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,

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RA Harris N.L., Harvey D., Helman T.J., Hernandez J.R., Houck J.,  
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,  
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,  
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,  
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,  
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,  
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,  
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,  
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleb J.M.,  
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,  
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,  
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,  
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,  
RA Svirskas R., Tector R., Turner R., Venter E., Wang A.H., Wang X.,  
RA Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissbach J.,  
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,  
RA Ye J., Yeh R.F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,  
RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,  
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;  
RT "The genome sequence of Drosophila melanogaster.";  
RL Science 287:2185-2195(2000).  
CC -!- SIMILARITY: CONTAINS 1 SH3 DOMAIN.  
DR EMBL; AE003473; AAC22226.1; -.  
DR HSSP; P56276; ITLK.  
DR Flybase; FBgn0035301; CG18242.  
DR InterPro; IPR003962; FNIII\_repeat.  
DR InterPro; IPR003961; FN.III.  
DR InterPro; IPR003598; Ig\_c2.  
DR InterPro; IPR003600; Ig\_Like.  
DR InterPro; IPR003600; Ig\_Like.  
DR InterPro; IPR003006; Ig\_MHC.  
DR Pfam; PF00041; fn3; 5.  
DR Pfam; PF00047; ig; 11.  
DR Pfam; PF00018; SH3; 1.  
DR PRINTS; PR00014; ENTPEIIL.  
DR SMART; SM00060; FN3; 2.  
DR SMART; SM00408; IGC2; 5.  
DR SMART; SM00410; IG\_Like; 6.  
DR SMART; SM00326; SH3; 1.  
DR PROSITE; PS50002; SH3; 1.  
KW Immunoglobulin domain; Repeat; SH3 domain.  
SQ SEQUENCE 6815 AA; 779559 MW; AE244001A4EBA01 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 6815;  
Best Local Similarity 45.5%; Pred. No. 1.5e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 BEVVPXXXXX 11  
DB 4689 EEVVPETIVEE 4699

RESULT 174  
Q10465 PRELIMINARY; PRT; 7962 AA.  
AC Q10465  
DT 01-NOV-1996 (TREMBLrel. 01, Created)  
DT 01-NOV-1996 (TREMBLrel. 01, Last sequence update)  
DE 01-JUN-2002 (TREMBLrel. 21, Last annotation update)  
DE Titin, skeletal muscle isoform (EC 2.7.1.-) (Connectin) (Fragment).  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.  
OX NCBI\_TaxID=9606;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC TISSUE-SKELETAL MUSCLE;  
RX MEDLINE=96026330; PubMed=7569978;  
RA Label S., Kolmer B.;  
RT "Titins: giant proteins in charge of muscle ultrastructure and  
RT elasticity.";  
RL Science 270:293-296(1995).  
CC -!- FUNCTION: THIS GIANT MUSCLE PROTEIN MAY BE INVOLVED IN MUSCLE

CC ASSEMBLY AND IN MAINTAINING THE STRUCTURAL INTEGRITY OF  
CC SARCOMERES. MAY HAVE PROTEIN KINASE ACTIVITY.  
CC -!- ALTERNATIVE PRODUCTS: A NUMBER OF FORMS OF THIS PROTEIN ARE  
CC PRODUCED BY ALTERNATIVE SPLICING WHICH DIFFER IN TISSUE  
CC DISTRIBUTION. DIFFERENT SIZE TRANSCRIPTS MAY ALSO EXIST WITHIN ANY  
CC ONE TISSUE.  
CC -!- TISSUE SPECIFICITY: MUSCLE-SPECIFIC.  
CC -!- SIMILARITY: TO THE CATALYTIC DOMAINS OF OTHER SERINE/THREONINE  
CC KINASES.  
CC -!- SIMILARITY: BELONGS TO IMMUNOGLOBULIN SUPERFAMILY. CONTAINS 90  
CC IMMUNOGLOBULIN C2-LIKE DOMAINS.  
DR EMBL; X90569; CAA62189.1; -.  
DR HSSP; P56276; ITLK.  
DR InterPro; IPR003598; Ig\_c2.  
DR InterPro; IPR003600; Ig\_Like.  
DR InterPro; IPR003006; Ig\_MHC.  
DR InterPro; IPR004168; PPAK\_motif.  
DR Pfam; PF00047; ig; 59.  
DR Pfam; PF02818; PPAK; 53.  
DR SMART; SM00408; IGC2; 43.  
DR SMART; SM00410; IG\_Like; 15.  
KW Muscle protein; Cytoskeleton; Structural protein; Phosphorylation;  
KW Serine/threonine-protein kinase; Alternative splicing; Repeat;  
KW Immunoglobulin domain.  
FT NON\_TER 1  
FT DOMAIN 5618 7792 GLU/LYS/PRO/VAL-RICH.  
FT NON\_TER 7962 7962  
SQ SEQUENCE 7962 AA; 883018 MW; B85240533CBADE58 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 7962;  
Best Local Similarity 45.5%; Pred. No. 1.8e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 BEVVPXXXXX 11  
DB 6605 EEVVPVIVKV 6615

RESULT 175  
Q9NFS3 PRELIMINARY; PRT; 16215 AA.  
AC Q9NFS3  
DT 01-OCT-2000 (TREMBLrel. 15, Created)  
DT 01-OCT-2000 (TREMBLrel. 15, Last sequence update)  
DE 01-JUN-2002 (TREMBLrel. 21, Last annotation update)  
DE D-titin.  
GN SLS OR D-TITIN OR CG1915.  
OS Drosophila melanogaster (Fruit fly).  
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
OC Ephydroidea; Drosophilidae; Drosophila.  
OX NCBI\_TaxID=7227;  
RN [1]  
RP SEQUENCE FROM N.A.  
RA Zhang Y.Q., Broadie K.S.;  
RT "Characterization of Drosophila D-Titin gene.";  
RL Submitted (FEB-2000) to the EMBL/GenBank/DBJ databases.  
CC -!- SIMILARITY: CONTAINS 1 SH3 DOMAIN.  
DR EMBL; AJ271740; CAB93524.1; -.  
DR HSSP; P56276; ITLK.  
DR Flybase; FBgn0003432; sls.  
DR InterPro; IPR002106; AATRNA\_ligaseII.  
DR InterPro; IPR003961; FN.III.  
DR InterPro; IPR003598; Ig\_c2.  
DR InterPro; IPR003600; Ig\_Like.  
DR InterPro; IPR003006; Ig\_MHC.  
DR Pfam; PF00041; fn3; 5.  
DR Pfam; PF00047; ig; 50.  
DR Pfam; PF00018; SH3; 1.  
DR SMART; SM00408; IGC2; 15.  
DR SMART; SM00410; IG\_Like; 34.  
DR SMART; SM00326; SH3; 1.

DR PROSITE; PS00179; AA\_TRNA\_LIGASE\_II\_1; UNKNOWN\_1.  
DR PROSITE; PS00002; SH3; 1.  
KW Immunoglobulin domain; SH3 domain.  
SQ SEQUENCE 16215 AA; 1841509 MW; 242C8765E00F7603 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 16215;  
Best Local Similarity 45.5%; Pred.No. 3.7e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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Db 6365 EEVVPTEETPE 6375

## RESULT 176

Q8WZ42 PRELIMINARY; PRT; 34350 AA.  
AC Q8WZ42;  
DT 01-MAR-2002 (TrEMBLrel. 20, Created)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)  
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
DE Titin.  
GN TTN.  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
OX NCBI\_TaxID=9606;  
[1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=20309627; Pubmed=10850961;  
RA Freiburg A., Trombitas K., Hell W., Cazorla O., Fougereousse F.,  
RA Centner T., Kolmerer B., Witt C., Beckmann J.S., Gregorio C.C.,  
RA Granzier H., Labeit S.;  
RA Labeit S.;  
RT "The complete gene sequence of titin, expression of an unusual ~700  
RT kDa titin isoform and its interaction with obscurin identify a novel  
RT Z-line to I-band linking system.";  
RL Circ. Res. 89:1065-1072(2001).  
DR EMBL; AJ277892; CAD12456.1; -.  
DR InterPro; IPR000282; Cytok\_receptor\_2.  
DR InterPro; IPR000719; Euk\_pkinase.  
DR InterPro; IPR000577; FGGY\_kin.  
DR InterPro; IPR003961; FN\_III.  
DR InterPro; IPR001092; HNH\_basic.  
DR InterPro; IPR003599; Ig.  
DR InterPro; IPR003598; Ig\_c2.  
DR InterPro; IPR003006; Ig\_MHC.  
DR InterPro; IPR003596; Ig\_v.  
DR InterPro; IPR002016; Peroxidase.  
DR InterPro; IPR004168; PPAK\_motif.  
DR InterPro; IPR002290; Ser\_thr\_pkinase.  
DR InterPro; IPR001245; Tyr\_pkinase.  
DR Pfam; PF00041; fn3; 132.  
DR Pfam; PF00047; Ig; 146.  
DR Pfam; PF00069; pkinase; 1.  
DR Pfam; PF02818; PPAK; 53.  
DR ProDom; PD000001; Euk\_pkinase; 1.  
DR SMART; SM00060; FN3; 133.  
DR SMART; SM00409; IG; 167.  
DR SMART; SM00408; IGC2; 148.  
DR SMART; SM00406; IGV; 23.  
DR SMART; SM00220; S\_TKC; 1.  
DR SMART; SM00219; TykK; 1.  
DR PROSITE; PS00933; FGGY\_KINASES\_1; UNKNOWN\_1.  
DR PROSITE; PS00038; HELIX\_LOOP\_HELIX; UNKNOWN\_1.

DR PROSITE; PS00290; IG\_MHC; UNKNOWN\_1.  
DR PROSITE; PS00435; PEROXIDASE\_1; UNKNOWN\_1.  
DR PROSITE; PS00011; PROTEIN\_KINASE\_DOM; 1.  
DR PROSITE; PS00109; PROTEIN\_KINASE\_TYR; UNKNOWN\_1.  
SQ SEQUENCE 34350 AA; 3816262 MW; 5B1120058A7CE58A CRC64;

Query Match 100.0%; Score 31; DB 4; Length 34350;  
Best Local Similarity 45.5%; Pred.No. 7.8e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:||||:  
Db 10867 EEVVPVIPKV 10877

Search completed: May 29, 2003, 16:58:25  
Job time : 31 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 16:56:44 ; Search time 39 Seconds  
(without alignments)  
27.115 Million cell updates/sec

Title: AUDET-909164-5

Perfect score: 31  
Sequence: 1 eevvpvxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 283224 seqs, 96134422 residues

Total number of hits satisfying chosen parameters: 101

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%

Maximum Match 100%  
Listing first 600 summaries

Database : PIR\_73:\*

1: pir1: \*  
2: pir2: \*  
3: pir3: \*  
4: pir4: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	31	100.0	84	E82510	hypothetical prote
2	31	100.0	97	T23342	hypothetical prote
3	31	100.0	108	E90502	hypothetical prote
4	31	100.0	111	B87071	conserved hypotet
5	31	100.0	115	S73268	photosystem II pro
6	31	100.0	123	F95331	Trmla transposase
7	31	100.0	130	S37715	hypothetical prote
8	31	100.0	130	H95993	transposase of ins
9	31	100.0	130	A95291	Trmla transposase
10	31	100.0	130	A95372	conserved hypotet
11	31	100.0	134	C75352	probable transposa
12	31	100.0	138	B95934	hypothetical prote
13	31	100.0	150	S72852	protein sprt - Esc
14	31	100.0	165	G65079	hypothetical prote
15	31	100.0	165	D91106	hypothetical prote
16	31	100.0	165	G85951	flavoprotein [impo
17	31	100.0	185	B95019	ribosomal protein
18	31	100.0	188	G70442	casein B precursor
19	31	100.0	198	S07130	HLRF4 protein - hu
20	31	100.0	240	Q08633	conserved hypotet
21	31	100.0	240	B82833	glycerophosphodie
22	31	100.0	250	G75217	conserved hypotet
23	31	100.0	273	H69337	ribosomal protein
24	31	100.0	274	E70472	hypothetical prote
25	31	100.0	281	AC2095	transcription regu
26	31	100.0	299	A13184	hypothetical prote
27	31	100.0	303	T42703	GTP-binding protei
28	31	100.0	304	G83820	aspartate carbamoy
29	31	100.0	306	OWSEAC	

30	31	100.0	307	2	C69322	hypothetical prote
31	31	100.0	310	2	T48882	aspartate carbamoy
32	31	100.0	311	2	AD0436	aspartate carbamoy
33	31	100.0	316	2	H75421	acetyl-CoA carboxy
34	31	100.0	318	2	S17197	nitrate reductase
35	31	100.0	319	2	S03833	hypothetical prote
36	31	100.0	325	2	F86321	F6A14.12 protein -
37	31	100.0	335	1	A39862	protein-tyrosine-p
38	31	100.0	337	2	G84590	probable heat choc
39	31	100.0	343	2	A53057	retinal-binding pr
40	31	100.0	348	2	T04618	heat shock protein
41	31	100.0	356	2	B70424	lipid A disacchari
42	31	100.0	363	2	G95237	conserved hypotet
43	31	100.0	363	2	H98101	conserved hypotet
44	31	100.0	367	2	T36116	probable oxidoredu
45	31	100.0	380	2	JC5747	coronafacic acid s
46	31	100.0	384	2	T05399	hypothetical prote
47	31	100.0	390	2	T16782	hypothetical prote
48	31	100.0	393	2	B83841	phosphopentomutase
49	31	100.0	394	2	B69619	phosphodeoxyribomu
50	31	100.0	399	2	S36719	FUN33 protein - ye
51	31	100.0	401	1	A31266	alkane 1-monooxyge
52	31	100.0	407	2	G89955	hypothetical prote
53	31	100.0	411	2	B82682	succinylornithine
54	31	100.0	414	2	T44714	hypothetical prote
55	31	100.0	414	2	F70778	hypothetical prote
56	31	100.0	419	2	G75062	probable flagella-
57	31	100.0	423	2	JC7823	elongation factor
58	31	100.0	425	2	S53004	mitosis-specific C
59	31	100.0	431	2	H71172	hypothetical prote
60	31	100.0	435	2	S77156	processing protein
61	31	100.0	452	2	G64844	probable membrane
62	31	100.0	452	2	G90787	hypothetical prote
63	31	100.0	452	2	G85647	hypothetical prote
64	31	100.0	478	2	G75530	probable Atp-depen
65	31	100.0	478	2	T12818	hypothetical prote
66	31	100.0	486	1	A35667	Ty transcription a
67	31	100.0	511	2	E75561	probable phytoene
68	31	100.0	544	2	C82900	probable ABC subst
69	31	100.0	558	2	B88500	protein K04G7.1 (I
70	31	100.0	572	1	S28762	gene Dbp73D protei
71	31	100.0	581	2	T29096	gaq polyprotein -
72	31	100.0	596	2	T04506	hypothetical prote
73	31	100.0	622	2	S15009	hypothetical prote
74	31	100.0	653	2	D82352	iron(III) ABC tran
75	31	100.0	688	2	T23108	hypothetical prote
76	31	100.0	716	1	JC5061	macrophage-stimula
77	31	100.0	718	2	T29448	hypothetical prote
78	31	100.0	730	2	S37384	catalase (EC 1.11.
79	31	100.0	739	2	A55314	glycine-tRNA ligas
80	31	100.0	822	2	T41622	probable ABC trans
81	31	100.0	828	2	T41358	hypothetical prote
82	31	100.0	840	2	S48975	hypothetical prote
83	31	100.0	877	2	S72541	nitrate reductase
84	31	100.0	891	2	AC3384	ribonuclease E / z
85	31	100.0	944	2	S01909	hairy wing suppl
86	31	100.0	953	2	T08961	hypothetical prote
87	31	100.0	967	2	D72308	conserved hypotet
88	31	100.0	1055	2	T31111	ATPase 1 (EC 3.6.1
89	31	100.0	1076	2	T40141	phosphatidylinosit
90	31	100.0	1082	2	T31112	ATPase 2 (EC 3.6.1
91	31	100.0	1084	2	T33759	hypothetical prote
92	31	100.0	1146	2	H96796	aggregation protei
93	31	100.0	1306	2	S22624	probable xanthine
94	31	100.0	1364	2	T51920	two-component sens
95	31	100.0	1749	2	AB1960	probable excinucle
96	31	100.0	1786	1	H71527	gene 11-1 protein
97	31	100.0	1948	2	S00485	dynein alpha heavy
98	31	100.0	2405	2	T08164	genome polyprotein
99	31	100.0	3066	1	JQ1661	genome polyprotein
100	31	100.0	3066	1	JQ1662	elastin titin - hu
101	31	100.0	7962	2	I38346	

## ALIGNMENTS

## RESULT 1

E82510  
 hypothetical protein VCA0028 [imported] - Vibrio cholerae (strain N16961 serogroup O1)  
 C:Species: Vibrio cholerae  
 C>Date: 18-Aug-2000 #sequence\_revision 20-Aug-2000 #text\_change 02-Feb-2001  
 C:Accession: E82510  
 R:Heidelberg, J.F.; Eisen, J.A.; Nelson, W.C.; Clayton, R.A.; Gwinn, M.L.; Dodson, R.J.;  
 Chardson, D.; Ermolaeva, M.D.; Vamathevan, J.; Bass, S.; Qin, H.; Dragol, I.; Sellers, P.  
 1, R.R.; Mekalanos, J.J.; Venter, J.C.; Fraser, C.M.  
 Nature 406, 477-483, 2000  
 A:Title: DNA Sequence of both chromosomes of the cholera pathogen Vibrio cholerae.  
 A:Reference number: A82035; MUID:20406833; PMID:10952301  
 A:Accession: E82510  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-84 <HEI>  
 A:Cross-references: GB:AE004346; GB:AE003853; NID:g9657401; PIDN:AAF95942.1; GSPDB:GN001  
 A:Experimental source: serogroup O1; strain N16961; biotype El Tor  
 C:Genetics:  
 A:Gene: VCA0028  
 A:Map position: 2

Query Match 100.0%; Score 31; DB 2; Length 84;  
 Best Local Similarity 45.5%; Pred. No. 59;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 42 EEVVPYPPREW 52

## RESULT 2

T25342  
 hypothetical protein T27A8.4 - Caenorhabditis elegans  
 C:Species: Caenorhabditis elegans  
 C>Date: 15-Oct-1999 #sequence\_revision 15-Oct-1999 #text\_change 18-Feb-2000  
 C:Accession: T25342  
 R:Gardner, A.  
 submitted to the EMBL Data Library, November 1995  
 A:Reference number: T20019  
 A:Accession: T25342  
 A:Status: preliminary; translated from GB/EMBL/DBDJB  
 A:Molecule type: DNA  
 A:Residues: 1-97 <WIL>  
 A:Cross-references: EMBL:Z68134; PIDN:CAA92225.1; GSPDB:GN00028; CESP:T27A8.4  
 A:Experimental source: clone T27A8  
 C:Genetics:  
 A:Gene: CESP:T27A8.4  
 A:Map position: X  
 A:Introns: 19/1; 39/1

Query Match 100.0%; Score 31; DB 2; Length 97;  
 Best Local Similarity 45.5%; Pred. No. 70;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 23 EEVVPGETSG 33

## RESULT 3

E90502  
 hypothetical protein SS03178 [imported] - Sulfolobus solfataricus  
 C:Species: Sulfolobus solfataricus  
 C>Date: 24-May-2001 #sequence\_revision 24-May-2001 #text\_change 24-May-2001  
 C:Accession: E90502  
 R:She, Q.; Singh, R.K.; Confalonieri, F.; Zivanovic, Y.; Allard, G.; Awayez, M.J.; Chan-  
 Jong, I.; Jeffries, A.C.; Kozera, C.J.; Medina, N.; Peng, X.; Thi-Ngoc, H.P.; Redder, H.  
 arrett, R.A.; Ragan, M.A.; Sensen, C.W.; Van der Oost, J.

submitted to GenBank, April 2001  
 A:Description: Sulfolobus solfataricus complete genome.  
 A:Reference number: A99139  
 A:Accession: E90502  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-108 <KUR>  
 A:Cross-references: GB:AE006641; NID:g13816611; PIDN:AAK43276.1; GSPDB:GN00155  
 C:Genetics:  
 A:Gene: SS03178

Query Match 100.0%; Score 31; DB 2; Length 108;  
 Best Local Similarity 45.5%; Pred. No. 79;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 54 EEVVPDEICR 64

## RESULT 4

B87071  
 conserved hypothetical protein ML1296 [imported] - Mycobacterium leprae  
 C:Species: Mycobacterium leprae  
 C>Date: 20-Apr-2001 #sequence\_revision 20-Apr-2001 #text\_change 20-Apr-2001  
 C:Accession: B87071  
 R:Coile, S.T.; Eiglmeier, K.; Parkhill, J.; James, K.D.; Thomson, N.R.; Wheeler, P.R.;  
 R.; Davies, R.M.; Devlin, K.; Duthoy, S.; Feltwell, T.; Fraser, A.; Hamlin, N.; Holm-  
 eam, M.A.; Rutherford, K.M.  
 Nature 409, 1007-1011, 2001  
 A:Authors: Rutter, S.; Seeger, K.; Simon, S.; Simmonds, M.; Skelton, J.; Squares, R.;  
 A:Title: Massive gene decay in the leprosy bacillus.  
 A:Reference number: A86909; MUID:21128732; PMID:11234002  
 A:Accession: B87071  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-111 <STO>  
 A:Cross-references: GB:AL450380; NID:g13093218; PIDN:CAC31677.1; GSPDB:GN00147  
 C:Genetics:  
 A:Gene: ML1296

Query Match 100.0%; Score 31; DB 2; Length 111;  
 Best Local Similarity 45.5%; Pred. No. 81;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 74 EEVVPRAIRGL 84

## RESULT 5

S73268  
 photosystem II protein W - red alga (Porphyra purpurea) chloroplast  
 C:Species: chloroplast Porphyra purpurea  
 C>Date: 19-Mar-1997 #sequence\_revision 09-May-1997 #text\_change 08-Oct-1999  
 C:Accession: S73268  
 R:Reith, M.; Munholland, J.  
 Plant Mol. Biol. Rep. 13, 333-335, 1995  
 A:Title: Complete nucleotide sequence of the Porphyra purpurea chloroplast genome.  
 A:Reference number: S73108  
 A:Accession: S73268  
 A:Status: preliminary; nucleic acid sequence not shown; translation not shown  
 A:Molecule type: DNA  
 A:Residues: 1-115 <REI>  
 A:Cross-references: EMBL:U38804; NID:g1276652; PIDN:AAC08233.1; PID:g1276813  
 A:Note: the nucleotide sequence was submitted to the EMBL Data Library, October 1995  
 C:Genetics:  
 A:Gene: psbW  
 A:Genome: chloroplast  
 C:Keywords: chloroplast; membrane-associated complex; photosynthesis; photosystem II;

Query Match 100.0%; Score 31; DB 2; Length 115;  
 Best Local Similarity 45.5%; Pred. No. 84;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 12 EEVVPDVRLLR 22

## RESULT 6

TRmla transposase [imported] - Sinorhizobium meliloti (strain 1021) magaplasamid pSvma  
C:Species: Sinorhizobium meliloti  
C:Date: 24-Aug-2001 #sequence\_revision 24-Aug-2001 #text\_change 30-Sep-2001  
C:Accession: F95331  
R;Barnett, M.J.; Keating, R.F.; Jones, T.; Komp, C.; Abola, A.P.; Barloy-Hubler, F.; Bows  
; Kalman, S.; Keating, D.H.; Palm, C.; Peck, M.C.; Surzycki, R.; Wells, D.H.; Yeh, K.C.  
Proc. Natl. Acad. Sci. U.S.A. 98, 9883-9888, 2001  
A:Title: Nucleotide sequence and predicted functions of the entire Sinorhizobium meliloti  
A:Reference number: A95262; MUID:21396509; PMID:11481432  
A:Accession: F95331  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-123 <KUR>  
A:Cross-references: GB:AR006469; PIDN:AAK65216.1; PID:g14523664; GSPDB:GN00165  
A:Experimental source: strain 1021, megaplasamid pSvma  
R;Galibert, F.; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hubler,  
pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, R.F.;  
L.; Hyman, R.W.; Jones, T.  
Science 293, 668-672, 2001  
A:Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaure,  
hebaull, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh, K.  
A:Title: The composite genome of the legume symbiont Sinorhizobium meliloti.  
A:Reference number: A96039; MUID:21368234; PMID:11474104  
A:Contents: annotation  
C:Genetics:  
A:Gene: Sma1030  
A:Genome: plasmid  
C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical protein

Query Match 100.0%; Score 31; DB 2; Length 123;

Best Local Similarity 45.5%; Pred. No. 91;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 65 EEVVPASEYRA 75

## RESULT 7

hypothetical protein 1 - Rhizobium meliloti insertion sequence ISRM1  
C:Species: Rhizobium meliloti  
C:Date: 19-Mar-1997 #sequence\_revision 25-Apr-1997 #text\_change 29-Sep-1999  
C:Accession: S37715  
R;Watson, R.J.; Wheatcroft, R.  
DNA Seq. 2, 163-172, 1991  
A:Title: Nucleotide sequence of Rhizobium meliloti insertion sequence ISRM1: homology to  
A:Reference number: S37713; MUID:92297960; PMID:1667984  
A:Accession: S37715  
A:Molecule type: DNA  
A:Residues: 1-130 <WAT>  
A:Cross-references: EMBL:X56563; NID:g48795; PIDN:CAA39914.1; PID:g48796  
A:Experimental source: strain 4D3; plasmid pWRM1; insertion sequence ISRM1  
C:Genetics:  
A:Mobile element: insertion sequence ISRM1  
C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical protein

Query Match 100.0%; Score 31; DB 2; Length 130;

Best Local Similarity 45.5%; Pred. No. 97;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 72 EEVVPASEYRA 82

## RESULT 8

H95993  
transposase of insertion sequence ISRM1 orfA protein [imported] - Sinorhizobium meli  
C:Species: Sinorhizobium meliloti  
C:Date: 24-Aug-2001 #sequence\_revision 24-Aug-2001 #text\_change 30-Sep-2001  
C:Accession: H95993  
R;Finan, T.M.; Weidner, S.; Wong, K.; Buhrmester, J.; Chain, P.; Vorholter, F.J.; He  
Proc. Natl. Acad. Sci. U.S.A. 98, 9889-9894, 2001  
A:Title: The complete sequence of the 1,683-Kb pSymB megaplasamid from the N2-fixing  
A:Reference number: A95842; MUID:21396508; PMID:11481431  
A:Accession: H95993  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-130 <KUR>  
A:Cross-references: GB:AL591985; PIDN:CAC49616.1; PID:g15141103; GSPDB:GN00167  
A:Experimental source: strain 1021, megaplasamid pSymB  
R;Galibert, F.; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hu  
pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, P  
L.; Hyman, R.W.; Jones, T.  
Science 293, 668-672, 2001  
A:Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lela  
hebaull, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh  
A:Title: The composite genome of the legume symbiont Sinorhizobium meliloti.  
A:Reference number: A96039; MUID:21368234; PMID:11474104  
A:Contents: annotation  
C:Genetics:  
A:Gene: Smb20918  
A:Genome: plasmid  
C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical pro

Query Match 100.0%; Score 31; DB 2; Length 130;

Best Local Similarity 45.5%; Pred. No. 97;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 72 EEVVPASEYRA 82

## RESULT 9

TRmla transposase [imported] - Sinorhizobium meliloti (strain 1021) magaplasamid pSv  
C:Species: Sinorhizobium meliloti  
C:Date: 24-Aug-2001 #sequence\_revision 24-Aug-2001 #text\_change 30-Sep-2001  
C:Accession: A95291  
R;Barnett, M.J.; Fisher, R.F.; Jones, T.; Komp, C.; Abola, A.P.; Barloy-Hubler, F.;  
; Kalman, S.; Keating, D.H.; Palm, C.; Peck, M.C.; Surzycki, R.; Wells, D.H.; Yeh,  
Proc. Natl. Acad. Sci. U.S.A. 98, 9883-9888, 2001  
A:Title: Nucleotide sequence and predicted functions of the entire Sinorhizobium me  
A:Reference number: A95262; MUID:21396509; PMID:11481432  
A:Accession: A95291  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-130 <KUR>  
A:Cross-references: GB:AE006469; PIDN:AAK64891.1; PID:g14523309; GSPDB:GN00165  
A:Experimental source: strain 1021, megaplasamid pSvma  
R;Galibert, F.; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hu  
pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher,  
L.; Hyman, R.W.; Jones, T.  
Science 293, 668-672, 2001  
A:Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lela  
hebaull, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh  
A:Title: The composite genome of the legume symbiont Sinorhizobium meliloti.  
A:Reference number: A96039; MUID:21368234; PMID:11474104  
A:Contents: annotation  
C:Genetics:  
A:Gene: Sma0445  
A:Genome: plasmid  
C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical pro

Query Match 100.0%; Score 31; DB 2; Length 130;

Best Local Similarity 45.5%; Pred. No. 97;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 72 EEVVPASEYRA 82

## RESULT 10

A95372  
Tmla transposase [imported] - Sinorhizobium meliloti (strain 1021) magaplasamid pSymA  
C:Species: Sinorhizobium meliloti  
C:Date: 24-Aug-2001 #sequence\_revision 24-Aug-2001 #text\_change 30-Sep-2001  
C:Accession: A95372

R:Barnett, M.J.; Fisher, R.F.; Jones, T.; Komp, C.; Abola, A.P.; Barloy-Hubler, F.; Bows  
; Kalman, S.; Keating, D.H.; Palm, C.; Peck, M.C.; Surzycki, R.; Wells, D.H.; Yeh, K.C.  
Proc. Natl. Acad. Sci. U.S.A. 98, 9889-9894, 2001

A:Title: Nucleotide sequence and predicted functions of the entire Sinorhizobium meliloti  
A:Reference number: A95262; MUID:21396509; PMID:11481432

A:Accession: A95372

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-130 <KUR>

A:Cross-references: GB:AF006469; PIDN:AAK65539.1; PID:gl4524015; GSPDB:GN00165

A:Experimental source: strain 1021, megaplasamid pSymA

R:Galibert, F.; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hubler,  
Pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, R.F.;  
L.; Hyman, R.W.; Jones, T.  
Science 293, 668-672, 2001

A:Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaure,  
hebaull, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh, K.

A:Title: The composite genome of the legume symbiont Sinorhizobium meliloti.

A:Reference number: A96039; MUID:21368234; PMID:11474104

A:Contents: annotation

C:Genetics:

A:Gene: Sma1615

A:Genome: plasmid

C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical protein  
Query Match 100.0%; Score 31; DB 2; Length 130;  
Best Local Similarity 45.5%; Pred. No. 97;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 72 EEVVPASEYRA 82

## RESULT 11

C75352

conserved hypothetical protein - Deinococcus radiodurans (strain R1)

C:Species: Deinococcus radiodurans

C:Date: 03-Dec-1999 #sequence\_revision 03-Dec-1999 #text\_change 17-Mar-2000

C:Accession: C75352

R:White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.;  
S.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma  
Science 286, 1571-1577, 1999

A:Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.

A:Reference number: A75250; MUID:20036896; PMID:10567266

A:Accession: C75352

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-134 <WHI>

A:Cross-references: GB:AE002021; GB:AE000513; NID:g6459573; PIDN:AAF11359.1; PID:g645958

A:Experimental source: strain R1

C:Genetics:

A:Gene: DR1807

A:Map position: 1

Query Match 100.0%; Score 31; DB 2; Length 134;  
Best Local Similarity 45.5%; Pred. No. 1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:~:~:~:  
Db 89 EEVVPVLTLEHL 99

## RESULT 12

B95934

probable transposase of insertion sequence ISRml orfa protein [imported] - Sinorhizob  
C:Species: Sinorhizobium meliloti  
C:Date: 24-Aug-2001 #sequence\_revision 24-Aug-2001 #text\_change 30-Sep-2001

C:Accession: B95934

R:Finan, T.M.; Weidner, S.; Wong, K.; Buhrmester, J.; Chain, P.; Vorholter, F.J.; Her

Proc. Natl. Acad. Sci. U.S.A. 98, 9889-9894, 2001

A:Title: The complete sequence of the 1,683-kb pSymB megaplasamid from the N2-fixing e

A:Reference number: A95842; MUID:21396508; PMID:11481431

A:Accession: B95934

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-138 <KUR>

A:Cross-references: GB:AL591985; PIDN:CAC49138.1; PID:gl51140623; GSPDB:GN00167

A:Experimental source: strain 1021, megaplasamid pSymB

R:Galibert, F.; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hubl

pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, R.

L.; Hyman, R.W.; Jones, T.

Science 293, 668-672, 2001

A:Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lela

hebaull, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh,

A:Title: The composite genome of the legume symbiont Sinorhizobium meliloti.

A:Reference number: A96039; MUID:21368234; PMID:11474104

C:Genetics:

A:Gene: TRmla; Smb21234

A:Genome: plasmid

C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical prote

Query Match 100.0%; Score 31; DB 2; Length 138;  
Best Local Similarity 45.5%; Pred. No. 1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:~:~:~:  
Db 80 EEVVPASEYRA 90

## RESULT 13

S72852

hypothetical protein B2126\_C2.188 - Mycobacterium leprae

C:Species: Mycobacterium leprae

C:Date: 19-Mar-1997 #sequence\_revision 25-Apr-1997 #text\_change 23-Mar-2001

C:Accession: S72852

R:Smith, D.R.; Robinson, K.

submitted to the EMBL Data Library, November 1993

A:Description: Mycobacterium leprae cosmid B2126.

A:Reference number: S72585

A:Accession: S72852

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-150 <SMI>

A:Cross-references: EMBL:U00017; NID:g466994; PIDN:AAA17192.1; #ID:g467007

C:Genetics:

A:Start codon: GTG

Query Match 100.0%; Score 31; DB 2; Length 150;  
Best Local Similarity 45.5%; Pred. No. 1.1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:~:~:~:  
Db 113 EEVVPFIRLGL 123

## RESULT 14

G65079

protein sprT - Escherichia coli (strain K-12)  
 C:Species: Escherichia coli  
 C:Date: 10-Sep-1999 #sequence\_revision 10-Sep-1999 #text\_change 01-Mar-2002  
 C:Accession: G65079  
 R:Blattner, F.R.; Plunkett III, G.; Bloch, C.A.; Perna, N.T.; Burland, V.; Riley, M.; Cohen, A.; Rose, D.J.; Mau, B.; Shao, Y.  
 Science 277, 1453-1462, 1997  
 A:Title: The complete genome sequence of Escherichia coli K-12.  
 A:Reference number: A64720; MUID:97426617; PMID:9278503  
 A:Accession: G65079  
 A:Status: preliminary; nucleic acid sequence not shown; translation not shown  
 A:Molecule type: DNA  
 A:Residues: 1-165 <BLAT>  
 A:Cross-references: GB:AE000377; GB:U00096; NID:g2367178; PIDN:AACT5981.1; PID:g1789313;  
 A:Experimental source: strain K-12, substrain MG1655  
 C:Genetics:  
 A:Gene: sprT  
 C:Superfamily: hypothetical protein H1173

Query Match 100.0%; Score 31; DB 1; Length 165;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 73 EEVVPHELAHL 83

RESULT 15

D91106  
 hypothetical protein ECs3820 [imported] - Escherichia coli (strain O157:H7, substrain R1)  
 C:Species: Escherichia coli  
 C:Date: 18-Jul-2001 #sequence\_revision 18-Jul-2001 #text\_change 03-Aug-2001  
 C:Accession: D91106  
 R:Havashi, T.; Makino, K.; Ohnishi, M.; Kurokawa, K.; Ishii, K.; Yokoyama, K.; Han, C.G.; Gasavara, N.; Yasunaga, T.; Kuhara, S.; Shiba, T.; Hattori, M.; Shinagawa, H.  
 DNA Res. 8, 11-22, 2001  
 A:Title: Complete genome sequence of enterohemorrhagic Escherichia coli O157:H7 and genomic islands.  
 A:Reference number: A99629; MUID:21156231; PMID:11258796  
 A:Accession: D91106  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-165 <HAY>  
 A:Cross-references: GB:BA000007; PIDN:BA837243.1; PID:g13363292; GSPDB:GN00154  
 A:Experimental source: strain O157:H7, substrain R1MD 050952  
 C:Genetics:  
 A:Gene: ECs3820  
 C:Superfamily: hypothetical protein H1173

Query Match 100.0%; Score 31; DB 2; Length 165;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 73 EEVVPHELAHL 83

RESULT 16

G85951  
 hypothetical protein sprT [imported] - Escherichia coli (strain O157:H7, substrain EDL93)  
 C:Species: Escherichia coli  
 C:Date: 16-Feb-2001 #sequence\_revision 16-Feb-2001 #text\_change 14-Sep-2001  
 C:Accession: G85951  
 R:Perna, N.T.; Plunkett III, G.; Burland, V.; Mau, B.; Glasner, J.D.; Rose, D.J.; Mayhew, M.W.; Miller, L.; Grotbeck, E.J.; Davis, N.W.; Lim, A.; Dimalanta, E.; Potamousis, K.; Apodaca, Nature 409, 529-533, 2001  
 A:Title: Genome sequence of enterohemorrhagic Escherichia coli O157:H7.  
 A:Reference number: A85480; MUID:21074935; PMID:11206551  
 A:Accession: G85951  
 A:Status: preliminary  
 A:Molecule type: DNA

A:Residues: 1-165 &lt;STO&gt;

A:Cross-references: GB:AE005174; NID:g12517490; PIDN:AAG58075.1; GSPDB:GN00145; UMG0

A:Experimental source: strain O157:H7, substrain EDL933

C:Genetics:

A:Gene: sprT

C:Superfamily: hypothetical protein H1173

Query Match 100.0%; Score 31; DB 2; Length 165;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 73 EEVVPHELAHL 83

RESULT 17

B95019  
 flavoprotein [imported] - Streptococcus pneumoniae (strain TIGR4)  
 C:Species: Streptococcus pneumoniae  
 C:Date: 03-Aug-2001 #sequence\_revision 03-Aug-2001 #text\_change 03-Aug-2001  
 C:Accession: B95019  
 R:Rettellin, H.; Nelson, K.E.; Paulsen, I.T.; Eisen, J.A.; Read, T.D.; Peterson, S.; Olson, J.D.; Umayam, L.A.; White, O.; Salzberg, S.L.; Lewis, M.R.; Radune, D.; Holtzapfel, J.; Hickey, E.K.; Holt, I.E.  
 Science 293, 498-506, 2001  
 A:Authors: Loftus, B.J.; Yang, F.; Smith, H.O.; Venter, J.C.; Dougherty, B.A.; Morrison, J.; et al.  
 A:Title: Complete genome sequence of a virulent isolate of Streptococcus pneumoniae.  
 A:Reference number: A95000; MUID:21357209; PMID:11463916  
 A:Accession: B95019  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-185 <KUR>  
 A:Cross-references: GB:AE005672; PIDN:AAK74347.1; PID:g14971632; GSPDB:GN00164; TIGR4  
 A:Experimental source: strain TIGR4  
 C:Genetics:  
 A:Gene: SP0165

Query Match 100.0%; Score 31; DB 2; Length 185;  
 Best Local Similarity 45.5%; Pred. No. 1.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 63 EEVVPVFLPY 73

RESULT 18

G70442  
 ribosomal protein L5 - Aquifex aeolicus  
 C:Species: Aquifex aeolicus  
 C:Date: 08-May-1998 #sequence\_revision 08-May-1998 #text\_change 13-Aug-1999  
 C:Accession: G70442  
 R:Deckert, G.; Warren, P.V.; Gaasterland, T.; Young, W.G.; Lenox, A.L.; Graham, D.E.; V. Nature 392, 353-358, 1998  
 A:Title: The complete genome of the hyperthermophilic bacterium Aquifex aeolicus.  
 A:Reference number: A70300; MUID:98196666; PMID:9537320  
 A:Accession: G70442  
 A:Status: preliminary; nucleic acid sequence not shown; translation not shown  
 A:Molecule type: DNA  
 A:Residues: 1-188 <NQF>  
 A:Cross-references: GB:AE000749; NID:g2983975; PIDN:AACT5929.1; PID:g2983983; GB:AE000749  
 A:Experimental source: strain VF5  
 C:Genetics:  
 A:Gene: rplE  
 C:Superfamily: Escherichia coli ribosomal protein L5

Query Match 100.0%; Score 31; DB 2; Length 188;  
 Best Local Similarity 45.5%; Pred. No. 1.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

```

Db      18 EEVVPILQKKF 28
|||||:|||||:
RESULT 19
S07130
casein B precursor - guinea pig
C:Species: Cavia porcellus (guinea pig)
C:Date: 29-Jan-1993 #sequence_revision 29-Jan-1993 #text_change 13-Aug-1999
C:Accession: S07130; S27101
R:Hall, L.; Laird, J.E.; Craig, R.K.
Biochem. J. 222, 561-570, 1984
A:Title: Nucleotide sequence determination of guinea-pig casein B mRNA reveals homology
A:Reference number: S07130; MUID:85022410; PMID:6548375
A:Accession: S07130
A:Molecule type: mRNA
A:Residues: 1-198 <HAL1>
A:Cross-references: EMBL:X00938; NID:g49574; PIDN:CAA25452.1; PID:g757817
A:Accession: S27101
A:Molecule type: protein
A:Residues: 16-31 <HAL2>
C:Superfamily: alpha-s1-casein
C:Keywords: milk; phosphoprotein
F:1-15/Domain: signal sequence #status predicted <SIG>
F:16-198/Product: casein B #status experimental <MAP>

Query Match 100.0%; Score 31; DB 2; Length 198;
Best Local Similarity 45.5%; Pred. No. 1.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXXX 11
|||||:|||||:
Db      86 EEVVPKNTQEQ 96
|||||:|||||:
RESULT 20
Q08EG3
HMLF4 protein - human cytomegalovirus (strain AD169)
N:Alternate names: probable transmembrane protein US19
C:Species: human cytomegalovirus, human herpesvirus 5
C:Date: 30-Sep-1989 #sequence_revision 30-Sep-1989 #text_change 28-Jul-2000
C:Accession: C27231; S09933; B45678
R:Weston, K.; Barrell, B.G.
J. Mol. Biol. 192, 177-208, 1986
A:Title: Sequence of the short unique region, short repeats, and part of the long repeat
A:Reference number: A92935; MUID:87169717; PMID:3031311
A:Accession: C27231
A:Molecule type: DNA
A:Residues: 1-240 <WES>
A:Cross-references: EMBL:X04650; NID:g59801; PIDN:CAB37111.1; PID:g4456192
A:Experimental source: strain AD169
R:Chee, M.S.; Bankier, A.T.; Beck, S.; Bohni, R.; Brown, C.M.; Cerny, R.; Horsnell, T.;
M.; Barrell, B.G.
Curr. Top. Microbiol. Immunol. 154, 125-169, 1990
A:Title: Analysis of the protein-coding content of the sequence of human cytomegalovirus
A:Reference number: S09749; MUID:90269039; PMID:2161319
A:Accession: S09933
A:Molecule type: DNA
A:Status: nucleic acid sequence not shown; translation not shown
A:Residues: 1-240 <CHE>
A:Cross-references: EMBL:X17403; NID:g59591; PIDN:CAA35286.1; PID:g1780950
A:Experimental source: strain AD169
A:Note: this sequence was submitted to the EMBL Data Library, December 1989
R:Guo, Y.W.; Huang, E.S.
J. Virol. 67, 2043-2054, 1993
A:Title: Characterization of a structurally tricitronic gene of human cytomegalovirus
A:Reference number: A45678; MUID:93188154; PMID:8383226
A:Accession: B45678
A:Molecule type: DNA
A:Residues: 1-240 <GUO>
A:Cross-references: GB:L04998; NID:g291530; PIDN:AAA45990.1; PID:g291532
A:Experimental source: strain Towne
A:Note: sequence extracted from NCBI backbone (NCBIN:126964, NCBIIP:126966)

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C:Genetics:
A:Gene: US19; HMLF4
A:Note: a single genetic locus encodes two major classes of mRNA that share a
open reading frames; this protein is encoded by the middle of the three
C:Superfamily: cytomegalovirus HMLF4 protein

Query Match 100.0%; Score 31; DB 1; Length 240;
Best Local Similarity 45.5%; Pred. No. 1.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXXX 11
|||||:|||||:
Db      12 EEVVPYLERLA 22
|||||:|||||:
RESULT 21
B82833
conserved hypothetical protein XF0214 [imported] - Xylella fastidiosa (strain 9a5c)
C:Species: Xylella fastidiosa
C:Date: 18-Aug-2000 #sequence_revision 20-Aug-2000 #text_change 20-Aug-2000
C:Accession: B82833
R:anonymous, The Xylella fastidiosa Consortium of the Organization for Nucleotide Seq
Nature 406, 151-157, 2000
A:Title: The genome sequence of the plant pathogen Xylella fastidiosa.
A:Reference number: A82515; MUID:20365717; PMID:10910347
A:Note: for a complete list of authors see reference number A59328 below
A:Accession: B82833
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-240 <SIM>
A:Cross-references: GB:AE003875; GB:AE003849; NID:g9105019; PIDN:AAF83027.1; GSPDB:GN
A:Experimental source: strain 9a5c
R:Simpson, A.J.G.; Reinach, F.C.; Arruda, P.; Abreu, F.A.; Acencio, M.; Alvarenga, R.;
Briones, M.R.S.; Bueno, M.R.P.; Camargo, A.A.; Camargo, L.E.A.; Carraro, D.M.; Carrer
as-Neto, E.; Docena, C.; El-Dorri, H.; Facincan, A.P.; Ferreira, A.J.S.
submitted to GenBank, June 2000
A:Authors: Ferreira, V.C.A.; Ferro, J.A.; Fraga, J.S.; Franca, S.C.; Franco, M.C.; Fr
J.D.; Junqueira, M.L.; Kemper, E.L.; Kitajima, J.P.; Krieger, J.E.; Kuramae, E.E.; La
Chado, M.A.; Madeira, A.M.B.N.; Madeira, H.M.F.; Marino, C.L.; Marques, M.V.; Martins
A:Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.F.M.; Miracca, E.C.; Miyaki, C.;
F.G.; Nunes, L.R.; Oliveira, M.A.; de Oliveira, M.C.; de Oliveira, R.C.; Palmieri,
Rodrigues, V.; Rosa, A.J. de M.; de Rosa Jr., V.E.; de Sa, R.G.; Santelli, R.V.; Sawa
M.; Tsunako, M.H.; Vallada, H.; Van Sluys, M.A.; Verjovski-Almeida, S.; Vettore, A.L.
A:Reference number: A59328
A:Contents: annotation
C:Genetics:
A:Gene: XF0214

Query Match 100.0%; Score 31; DB 2; Length 240;
Best Local Similarity 45.5%; Pred. No. 1.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXXX 11
|||||:|||||:
Db      144 EEVVPVIGSSI 154
|||||:|||||:
RESULT 22
G75217
glycerophosphodiester phosphodiesterase (EC 3.1.4.46) PAB018 - Pyrococcus abyssi (str
C:Species: Pyrococcus abyssi
C:Date: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 20-Jun-2000
C:Accession: G75217
R:anonymous, Genoscope
submitted to the EMBL Data Library, July 1999
A:Description: Pyrococcus abyssi genome sequence: insights into archaeal chromosome s
A:Reference number: A75001
A:Accession: G75217
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-250 <KAW>
A:Cross-references: GB:AJ248283; GB:AL096836; NID:g5457433; PIDN:CAB49190.1; PID:g545

```

A:Experimental source: strain Orsay

C:Genetics:

A:Gene: PAB0180

C:Superfamily: glycerophosphodiester phosphodiesterase

C:Keywords: phosphoric diester hydrolase

Query Match 100.0%; Score 31; DB 2; Length 250;

Best Local Similarity 45.5%; Pred. No. 2e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:|

Db 156 EEVVPMPKPK 166

RESULT 23

H69337

conserved hypothetical protein AF0704 - Archaeoglobus fulgidus

C:Species: Archaeoglobus fulgidus

C:Date: 05-Dec-1997 #sequence\_revision 05-Dec-1997 #text\_change 08-Oct-1999

C:Accession: H69337

R:Klenk, H.P.; Clayton, R.A.; Tomb, J.F.; White, O.; Nelson, K.E.; Ketchum, K.A.; Dodson

.; Fleischmann, R.D.; Quackenbush, J.; Lee, N.H.; Sutton, G.G.; Gill, S.; Kirkness, E.F.

Glocke, A.; Zhou, L.; Overbeek, R.; Gocayne, J.D.; Weidman, J.F.; McDonald, L.

Nature 390, 364-370, 1997

A:Authors: Utterback, T.; Cotton, M.D.; Spriggs, T.; Artiaich, P.; Kaine, B.P.; Sykes, S.

Smith, H.O.; Woese, C.R.; Venter, J.C.

A:Title: The complete genome sequence of the hyperthermophilic, sulfate-reducing archae

A:Reference number: A69250; MUID:98049343; PMID:9389475

A:Accession: H69337

A:Status: preliminary; nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-273 <KLE>

A:Cross-references: GB:AE001056; GB:AE000782; NID:q2689379; PIDN:AAB90537.1; PID:q264991

C:Superfamily: Methanococcus jannaschii conserved hypothetical protein MJ1557

Query Match 100.0%; Score 31; DB 2; Length 273;

Best Local Similarity 45.5%; Pred. No. 2.2e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:|

Db 181 EEVVPQLSGQF 191

RESULT 24

E70472

ribosomal protein S02 - Aquifex aeolicus

C:Species: Aquifex aeolicus

C:Date: 08-May-1998 #sequence\_revision 08-May-1998 #text\_change 13-Aug-1999

C:Accession: E70472

R:Deckert, G.; Warren, P.V.; Gaasterland, T.; Young, W.G.; Lenox, A.L.; Graham, D.E.; O

V.

Nature 392, 353-358, 1998

A:Title: The complete genome of the hyperthermophilic bacterium Aquifex aeolicus.

A:Reference number: A70300; MUID:98196666; PMID:9537320

A:Accession: E70472

A:Status: preliminary; nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-274 <AQF>

A:Cross-references: GB:AE000767; NID:q2984235; PIDN:AAC07767.1; PID:q2984239; GB:AE00065

A:Experimental source: strain VF5

C:Genetics:

A:Gene: rpsB

C:Superfamily: Escherichia coli ribosomal protein S2

Query Match 100.0%; Score 31; DB 2; Length 274;

Best Local Similarity 45.5%; Pred. No. 2.2e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:|

Db 232 EEVVPKRRP 242

RESULT 25

AC2095

hypothetical protein all2314 [imported] - Nostoc sp. (strain PCC 7120)

C:Species: Nostoc sp.

A:Note: Nostoc sp. strain PCC 7120 is a synonym of Anabaena sp. strain PCC 7120

C:Date: 14-Dec-2001 #sequence\_revision 14-Dec-2001 #text\_change 30-Jun-2002

C:Accession: AC2095

R:Kaneko, T.; Nakamura, Y.; Wolk, C.P.; Kuritz, T.; Sasamoto, S.; Watanabe, A.; Iri

Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Yasuda, M.; Tabat

DNA Res. 8, 205-213, 2001

A:Title: Complete Genomic Sequence of the Filamentous Nitrogen-fixing Cyanobacterium

A:Reference number: AB1807; MUID:21595285; PMID:11759840

A:Accession: AC2095

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-281 <KUR>

A:Cross-references: GB:BA000019; PIDN:BA074013.1; PID:g17131406; GSPDB:GN00179

A:Experimental source: strain PCC 7120

C:Genetics:

A:Gene: all2314

Query Match 100.0%; Score 31; DB 2; Length 281;

Best Local Similarity 45.5%; Pred. No. 2.3e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:|

Db 186 EEVVPQVIYTL 196

RESULT 26

AI3184

transcription regulator, LysR family Atu5206 [imported] - Agrobacterium tumefaciens

C:Species: Agrobacterium tumefaciens

C:Date: 11-Jan-2002 #sequence\_revision 11-Jan-2002 #text\_change 01-Feb-2002

C:Accession: AI3184

R:Wood, D.W.; Setubal, J.C.; Kaul, R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, Y.; W

erage, G.; Gillet, W.; Grant, C.; Guenther, D.; Kutayavin, T.; Levy, R.; Li, M.; M

Karp, P.; Romero, P.; Zhang, S.

Science 294, 2317-2323, 2001

A:Authors: Yoo, H.; Tao, Y.; Biddle, P.; Jung, M.; Krespan, W.; Perry, M.; Gordon-K

ster, E.W.

A:Title: The Genome of the Natural Genetic Engineer Agrobacterium tumefaciens C58.

A:Reference number: AB2577; PMID:11743193

A:Accession: AI3184

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-239 <KUR>

A:Cross-references: GB:AE008687; PIDN:AAL45895.1; PID:g17743640; GSPDB:GN00188

A:Experimental source: strain C58 (Dupont)

C:Genetics:

A:Gene: Atu5206

A:Genome: plasmid

C:Superfamily: conserved hypothetical protein HI1364

Query Match 100.0%; Score 31; DB 2; Length 299;

Best Local Similarity 45.5%; Pred. No. 2.4e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:|

Db 257 EEVVPQYSHAG 267

RESULT 27

T42703

hypothetical protein DKFZp434G107.1 - human (fragment)

C:Species: Homo sapiens (man)

C:Date: 11-Jan-2000 #sequence\_revision 11-Jan-2000 #text\_change 11-Jan-2000

C:Accession: T42703

R:Koehrer, K.; Beyer, A.; Mewes, H.W.; Gassenhuber, J.; Wiemann, S.

submitted to the Protein Sequence Database, November 1999  
 A:Reference number: Z22234  
 A:Accession: T42703  
 A:Status: preliminary  
 A:Molecule type: mRNA  
 A:Residues: 1-303 <AAA>  
 A:Cross-references: EMBL:AL133029  
 A:Experimental source: adult testis; clone DKFzp434G107  
 C:Genetics:  
 A:Note: DKFzp434G107.1

Query Match 100.0%; Score 31; DB 2; Length 303;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 214 EEVVPALPTE 224

## RESULT 28

GTP-binding protein (Era/ThdF family) bex [imported] - Bacillus halodurans (strain C-128)  
 C:Species: Bacillus halodurans  
 C:Date: 01-Dec-2000 #sequence\_revision 01-Dec-2000 #text\_change 15-Jun-2001  
 C:Accession: G83820  
 R:Takami, H.; Nakasone, K.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fujii, F.; Hira  
 Nucleic Acids Res. 28, 4317-4331, 2000  
 A:Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and  
 A:Reference number: A83650; MUID:20512582; PMID:11058132  
 A:Accession: G83820  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-304 <STO>  
 A:Cross-references: GB:AP001511; GB:BA000004; NID:g10173727; PIDN:BA05086.1; GSPDB:GN00  
 A:Experimental source: strain C-125  
 C:Genetics:  
 A:Gene: bex  
 C:Superfamily: ras transforming protein; translation elongation factor Tu homology

Query Match 100.0%; Score 31; DB 2; Length 304;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 150 EEVVPVSALOG 160

## RESULT 29

OWSEAC  
 aspartate carbamoyltransferase (EC 2.1.3.2) catalytic chain - Serratia marcescens  
 N:Alternate names: aspartate transcarbamylase catalytic chain; carbamylaspartotranskinas  
 C:Species: Serratia marcescens  
 C:Date: 31-Mar-1993 #sequence\_revision 31-Mar-1993 #text\_change 11-Jun-1999  
 C:Accession: B34396  
 R:Beck, D.; Kedzie, K.M.; Wild, J.R.  
 J. Biol. Chem. 264, 16629-16637, 1989  
 A:Title: Comparison of the aspartate transcarbamoylases from Serratia marcescens and Esc  
 A:Reference number: A34396; MUID:89380286; PMID:2674139  
 A:Accession: B34396  
 A:Molecule type: DNA

A:Residues: 1-306 <BEC>

A:Cross-references: GB:J05033; NID:g398074; PIDN:AAA26564.1; PID:g398075  
 C:Comment: The active enzyme contains two trimers of catalytic chains and three dimers C  
 C:Genetics:  
 A:Gene: pyrB

C:Superfamily: ornithine carbamoyltransferase; aspartate/ornithine carbamoyltransferase  
 C:Keywords: heterododecamer; homohexamer; homotrimer; pyrimidine nucleotide biosynthesis  
 F:8-300/Domain: aspartate/ornithine carbamoyltransferase homology <ACT>

Query Match 100.0%; Score 31; DB 1; Length 306;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 215 EEVVPDLILY 225

## RESULT 30

C69322  
 hypothetical protein AF0579 - Archaeoglobus fulgidus  
 C:Species: Archaeoglobus fulgidus  
 C:Date: 05-Dec-1997 #sequence\_revision 05-Dec-1997 #text\_change 22-Oct-1999  
 C:Accession: C69322

R:Klenk, H.P.; Clayton, R.A.; Tomb, J.F.; White, O.; Nelson, K.E.; Ketchum, K.A.; Dod  
 ; Fleischmann, R.D.; Quackenbush, J.; Lee, N.H.; Sutton, G.G.; Gill, S.; Kirkness, E.  
 Nature 390, 364-370, 1997  
 A:Authors: Utterback, T.; Cotton, M.D.; Spriggs, T.; Artiach, P.; Kaine, B.P.; Sykes,  
 Smith, H.O.; Woese, C.R.; Venter, J.C.  
 A:Title: The complete genome sequence of the hyperthermophilic, sulfate-reducing arch  
 A:Reference number: A69250; MUID:98049343; PMID:9389475  
 A:Accession: C69322  
 A:Status: preliminary; nucleic acid sequence not shown; translation not shown  
 A:Molecule type: DNA  
 A:Residues: 1-307 <KLE>  
 A:Cross-references: GB:AE001064; GB:AE000782; NID:g2689387; PIDN:AAB90662.1; PID:g265

Query Match 100.0%; Score 31; DB 2; Length 307;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 39 EEVVPDAVGKY 49

## RESULT 31

T48882  
 aspartate carbamoyltransferase (EC 2.1.3.2) catalytic chain [validated] - Vibrio sp.  
 N:Alternate names: ATCase catalytic chain  
 C:Species: Vibrio sp.  
 C:Date: 02-Jun-2000 #sequence\_revision 02-Jun-2000 #text\_change 09-Jun-2000  
 C:Accession: T48882  
 R:Xu, Y.; Zhang, Y.; Liang, Z.Y.; Van de Casteele, M.; Legrain, C.; Glansdorff, N.  
 Microbiology 144, 1435-1441, 1998  
 A:Title: Aspartate carbamoyltransferase from a psychrophilic deep-sea bacterium, Vibr  
 A:Reference number: Z24845  
 A:Accession: T48882  
 A:Status: preliminary; translated from GB/EMBL/DBDJ  
 A:Molecule type: DNA  
 A:Residues: 1-310 <XUY>  
 A:Cross-references: EMBL:X09786; PIDN:CAA70923.1  
 A:Experimental source: strain 2693  
 C:Genetics:  
 A:Gene: pyrB  
 C:Function:

A:Description: EC 2.1.3.2 [validated, MUID:98274751]  
 A:Note: not activated by ATP; not synergistically inhibited by CTP and UTP  
 C:Superfamily: ornithine carbamoyltransferase; aspartate/ornithine carbamoyltransferase  
 C:Keywords: transferase

Query Match 100.0%; Score 31; DB 2; Length 310;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 216 EEVVPDVLV 226

## RESULT 32

AD0436  
 aspartate carbamoyltransferase (EC 2.1.3.2) [imported] - Yersinia pestis (strain C092



C;Species: Yersinia pestis  
 C;Date: 02-Nov-2001 #sequence\_revision 02-Nov-2001 #text\_change 11-Jan-2002  
 C;Accession: AD0436  
 R;Parkhill, J.; Wren, B.W.; Thomson, N.R.; Titball, R.W.; Holden, M.T.G.; Prentice, M.B.; deno-Tarraga, A.M.; Chillingworth, T.; Cronin, A.; Davies, R.M.; Davis, P.; Dougan, G.; il, M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.; Whitehead, S.; Barrell, Nature 413, 523-527, 2001  
 A;Title: Genome sequence of Yersinia pestis, the causative agent of plague.  
 A;Reference number: AB0001; MUID:21470413; PMID:11586360  
 A;Accession: AD0436  
 A;Status: preliminary  
 A;Molecule type: DNA  
 A;Residues: 1-311 <KUR>  
 A;Cross-references: GB:AL590842; PIDN:CAC92816.1; PID:gl5981508; GSPDB:GN00175  
 C;Genetics:  
 C;Superfamily: ornithine carbamoyltransferase; aspartate/ornithine carbamoyltransferase  
 C;Keywords: transferase

Query Match 100.0%; Score 31; DB 2; Length 311;  
 Best Local Similarity 45.5%; Pred. No. 2.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 217 EEVVPEDILY 227

RESULT 33  
 H75421  
 acetyl-CoA carboxylase carboxyl transferase, alpha subunit - Deinococcus radiodurans (str  
 C;Species: Deinococcus radiodurans  
 C;Date: 03-Dec-1999 #sequence\_revision 03-Dec-1999 #text\_change 17-Mar-2000  
 C;Accession: H75421  
 R;White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.; S.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma Science 286, 1571-1577, 1999  
 A;Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.  
 A;Reference number: AV5250; MUID:20036896; PMID:10567266  
 A;Accession: H75421  
 A;Status: preliminary  
 A;Molecule type: DNA  
 A;Residues: 1-316 <WHI>  
 A;Cross-references: GB:AE001970; GB:AE000513; NID:g6458956; PIDN:AAF10787.1; PID:g645895  
 A;Experimental source: Strain R1  
 C;Genetics:  
 A;Gene: DR1214  
 A;Map position: 1  
 C;Superfamily: acetyl-CoA carboxylase, carboxyltransferase alpha chain

Query Match 100.0%; Score 31; DB 2; Length 316;  
 Best Local Similarity 45.5%; Pred. No. 2.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 259 EEVVPPEPGA 269

RESULT 34  
 S17197  
 nitrate reductase (NADH) (EC 1.7.1.1) - Chlorella vulgaris (fragment)  
 C;Species: Chlorella vulgaris  
 C;Date: 04-Dec-1992 #sequence\_revision 04-Dec-1992 #text\_change 03-Jun-2002  
 C;Accession: S17197  
 R;Cannons, A.C.; Iida, N.; Solomonson, L.P.  
 Biochem. J. 278, 203-209, 1991  
 A;Title: Expression of a cDNA clone encoding the haem-binding domain of Chlorella nitrat  
 A;Reference number: S17197; MUID:91354204; PMID:1883330  
 A;Accession: S17197  
 A;Molecule type: mRNA  
 A;Residues: 1-318 <CAN>

A;Cross-references: EMBL:X56771; NID:q18300; PIDN:CAA40090.1; PID:g930010  
 C;Superfamily: nitrate reductase (NADH); cytochrome b5 core homology; cytochrome-b5  
 C;Keywords: chromoprotein; electron transfer; FAD; flavoprotein; heme; homodimer; ir  
 F;1-162/Domain: molybdenum-binding domain homology (fragment) <PCO>  
 F;216-290/Domain: cytochrome b5 core homology <CB5>  
 F;251-274/Binding site: heme iron (His) (axial ligands) #status predicted

Query Match 100.0%; Score 31; DB 2; Length 318;  
 Best Local Similarity 45.5%; Pred. No. 2.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 58 EEVVPVLVAGTY 68

RESULT 35  
 S03833  
 hypothetical protein 1 - chestnut blight fungus  
 C;Species: Cryphonectria parasitica, Endothia parasitica (chestnut blight fungus)  
 C;Date: 04-Dec-1992 #sequence\_revision 04-Dec-1992 #text\_change 09-Sep-1997  
 C;Accession: S03833  
 R;Rae, B.P.; Hillman, B.I.; Tartaglia, J.; Nuss, D.L.  
 EMBO J. 8, 657-663, 1989  
 A;Title: Characterization of double-stranded RNA genetic elements associated with bl  
 A;Reference number: S03833; MUID:89251594; PMID:2721496  
 A;Accession: S03833  
 A;Molecule type: DNA  
 A;Residues: 1-319 <RAE>  
 A;Cross-references: EMBL:X14524; NID:g2624; PID:g2625  
 A;Note: the authors translated the codon CAG for residue 156 as Gly

Query Match 100.0%; Score 31; DB 2; Length 319;  
 Best Local Similarity 45.5%; Pred. No. 2.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 31 EEVVPAGCITL 41

RESULT 36  
 F6A14.12 protein - Arabidopsis thaliana  
 C;Species: Arabidopsis thaliana (mouse-ear cress)  
 C;Date: 02-Mar-2001 #sequence\_revision 02-Mar-2001 #text\_change 09-Nov-2001  
 C;Accession: F66321  
 R;Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Al  
 Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Dewar  
 Nature 408, 816-820, 2000  
 A;Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Ki  
 C.A.; Li, J.H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marz  
 Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.  
 A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tal  
 ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.  
 A;Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.  
 A;Reference number: AB6141; MUID:21016719; PMID:11130712  
 A;Accession: F66321  
 A;Status: preliminary  
 A;Molecule type: DNA  
 A;Residues: 1-325 <STO>  
 A;Cross-references: GB:AE005172; NID:g6730707; PIDN:AAF27102.1; GSPDB:GN00141  
 C;Genetics:  
 A;Map position: 1

Query Match 100.0%; Score 31; DB 2; Length 325;  
 Best Local Similarity 45.5%; Pred. No. 2.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 169 EEVVPFYGLPY 179

## RESULT 37

A39862  
 protein-tyrosine-phosphatase (EC 3.1.3.48), nonreceptor type 1 - yeast (Saccharomyces cerevisiae)  
 N:Alternate names: protein D0815; protein YDL230W  
 C:Species: Saccharomyces cerevisiae  
 C>Date: 30-Dec-1991 #sequence\_revision 08-Mar-1996 #text\_change 21-Jul-2000  
 C:Accession: A39862; S67793  
 R:Guan, K.; Deschenes, R.J.; Qiu, H.; Dixon, J.E.  
 J. Biol. Chem. 266, 12964-12970, 1991  
 A:Title: Cloning and expression of a yeast protein tyrosine phosphatase.  
 A:Reference number: A39862; MUID:91302312; PMID:1649172  
 A:Accession: A39862  
 A:Molecule type: DNA  
 A:Residues: 1-335 <GUA>  
 A:CROSS-references: GB:M64062; NID:gl72295; PIDN:AAA34923.1; PID:gl72296  
 R:Rasmussen, S.W.  
 submitted to the Protein Sequence Database, July 1996  
 A:Reference number: S67798  
 A:Accession: S67793  
 A:Molecule type: DNA  
 A:Residues: 1-335 <RAS>  
 A:CROSS-references: EMBL:Z74278; NID:gl431387; PIDN:CAA98809.1; PID:gl431388; GSPDB:GN000000  
 A:Experimental source: strain S288C  
 C:Genetics:  
 A:Gene: SGD:PTP1; MIPS:YDL230W  
 A:CROSS-references: SGD:S0002389; MIPS:YDL230W  
 A:Map position: 4L  
 C:Superfamily: Saccharomyces protein-tyrosine-phosphatase, nonreceptor type 1; protein-tyrosine-phosphatase; phosphotyrosine phosphatase; phosphotyrosine phosphatase; phosphotyrosine phosphatase  
 F:52-303/Domain: protein-tyrosine-phosphatase homology <PTP>  
 F:252/Active site: Cys (phosphotyrosine intermediate) #status predicted  
 F:258/Binding site: substrate phosphate (Arg) #status predicted

Query Match 100.0%; Score 31; DB 1; Length 335;  
 Best Local Similarity 45.5%; Pred. No. 2.8e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 226 EEVVPIMELCA 236

## RESULT 38

G84590  
 probable heat shock protein [imported] - Arabidopsis thaliana  
 C:Species: Arabidopsis thaliana (mouse-ear cress)  
 C>Date: 02-Feb-2001 #sequence\_revision 02-Feb-2001 #text\_change 16-Feb-2001  
 C:Accession: G84590  
 R:Lin, X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.V.; M.; Koo, H.; Moffat, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Umayam, L.; Tallon, L.; Euss, D.; Nierman, W.C.; White, O.; Eisen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, J. Nature 402, 761-768, 1999  
 A:Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.  
 A:Reference number: A84420; MUID:20083487; PMID:10617197  
 A:Accession: G84590  
 A>Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-337 <STO>  
 A:CROSS-references: GB:AE002093; NID:g4586038; PIDN:AAD25656.1; GSPDB:GN00139  
 C:Genetics:  
 A:Gene: At2g20560  
 A:Map position: 2  
 C:Superfamily: heat shock protein dnaJ; dnaJ amino-terminal homology

Query Match 100.0%; Score 31; DB 2; Length 337;  
 Best Local Similarity 45.5%; Pred. No. 2.8e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 292 EEVVPKEGML 302

## RESULT 39

A53057  
 retinal-binding protein - Japanese flying squid  
 C:Species: Todarodes pacificus (Japanese flying squid)  
 C>Date: 06-Oct-1994 #sequence\_revision 18-Nov-1994 #text\_change 20-Mar-1998  
 C:Accession: A53057  
 R:Ozaki, K.; Terakita, A.; Ozaki, M.; Hara, R.; Hara, T.; Hara-Nishimura, I.; Mori, H. J. Biol. Chem. 269, 3838-3845, 1994  
 A:Title: Molecular characterization and functional expression of squid retinal-binding protein.  
 A:Reference number: A53057; MUID:94148895; PMID:8106428  
 A:Accession: A53057  
 A>Status: preliminary  
 A:Molecule type: mRNA; protein  
 A:Residues: 1-343 <OZA>  
 A:CROSS-references: GB:S68871; NID:g545382; PID:g545383  
 A:Experimental source: eye  
 A:Note: sequence extracted from NCBI backbone (NCBI:143812, NCBI:143813)

Query Match 100.0%; Score 31; DB 2; Length 343;  
 Best Local Similarity 45.5%; Pred. No. 2.9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 267 EEVVPERTDC 277

## RESULT 40

T04618  
 heat shock protein homolog F2009.160 - Arabidopsis thaliana  
 C:Species: Arabidopsis thaliana (mouse-ear cress)  
 C>Date: 23-Apr-1999 #sequence\_revision 23-Apr-1999 #text\_change 21-Jan-2000  
 C:Accession: T04618  
 R:Bevan, M.; Rose, M.; Hempel, S.; Entian, K.D.; Hoheisel, J.; Mewes, H.W.; Mayer, K. Submitted to the Protein Sequence Database, October 1998  
 A:Reference number: Z15380  
 A:Accession: T04618  
 A:Molecule type: DNA  
 A:Residues: 1-348 <BEV>  
 A:CROSS-references: EMBL:AL021749  
 A:Experimental source: cultivar Columbia; BAC clone F2009  
 C:Genetics:  
 A:Map position: 4  
 A:Introns: 55/3; 204/2  
 A:Note: F2009.160  
 C:Superfamily: heat shock protein dnaJ; dnaJ amino-terminal homology  
 F:4-70/Domain: dnaJ amino-terminal homology <DNJ>

Query Match 100.0%; Score 31; DB 2; Length 348;  
 Best Local Similarity 45.5%; Pred. No. 2.9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 303 EEVVPKEGML 313

## RESULT 41

B70424  
 lipid A disaccharide synthetase - Aquifex aeolicus  
 C:Species: Aquifex aeolicus  
 C>Date: 08-May-1998 #sequence\_revision 08-May-1998 #text\_change 05-Nov-1999  
 C:Accession: B70424  
 R:Decker, G.; Warren, P.V.; Gaasterland, T.; Young, W.G.; Lenox, A.L.; Graham, D.E.; V. Nature 392, 353-358, 1998  
 A:Title: The complete genome of the hyperthermophilic bacterium Aquifex aeolicus.  
 A:Reference number: A70300; MUID:98196666; PMID:9537320  
 A:Accession: B70424  
 A>Status: preliminary  
 A:Molecule type: DNA

A:Residues: 1-356 <AQF>  
A:Cross-references: GB:AE000740; NID:g2983826; PIDN:AA07386.1; PID:g2983831; GB:AE00065  
A:Experimental source: strain VF5  
C:Genetics:  
A:Gene: lpxB  
C:Superfamily: lipid A disaccharide synthase

Query Match 100.0%; Score 31; DB 2; Length 356;  
Best Local Similarity 45.5%; Pred. No. 3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
DB 300 EEVVPFIQKS 310

RESULT 42  
G95237  
conserved hypothetical protein SP2031 [imported] - Streptococcus pneumoniae (strain TIGR  
C:Species: Streptococcus pneumoniae  
C:Date: 03-Aug-2001 #sequence\_revision 03-Aug-2001 #text\_change 03-Aug-2001  
C:Accession: G95237  
R:Retelin, H.; Nelson, K.E.; Paulsen, I.T.; Eisen, J.A.; Read, T.D.; Peterson, S.; Heid  
on, J.D.; Unayam, L.A.; White, O.; Salzberg, S.L.; Lewis, M.R.; Radune, D.; Holtzapfel,  
nson, T.; Hickey, E.K.; Holt, I.E.  
Science 293, 498-506, 2001  
A:Authors: Loftus, B.J.; Yang, F.; Smith, H.O.; Venter, J.C.; Dougherty, B.A.; Morrison,  
A:Title: Complete Genome Sequence of a virulent isolate of Streptococcus pneumoniae.  
A:Reference number: A95000; M0ID:21357209; PMID:11463916  
A:Accession: G95237  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-363 <KUR>  
A:Cross-references: GB:AE005672; PIDN:AAK76096.1; PID:g14973541; GSPDB:GN00164; TIGR:SP4  
A:Experimental source: strain TIGR4  
C:Genetics:  
A:Gene: SP2031

Query Match 100.0%; Score 31; DB 2; Length 363;  
Best Local Similarity 45.5%; Pred. No. 3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
DB 30 EEVVPFEGFAM 40

RESULT 43  
H98101  
conserved hypothetical protein spr1842 [imported] - Streptococcus pneumoniae (strain R6)  
C:Species: Streptococcus pneumoniae  
C:Date: 22-Oct-2001 #sequence\_revision 22-Oct-2001 #text\_change 22-Oct-2001  
C:Accession: H98101  
R:Hoskins, J.A.; Alborn Jr., W.; Arnold, J.; Blaszcak, L.; Burgett, S.; DeHoff, B.S.; E  
y, R.; LeBlanc, D.J.; Lee, L.N.; Lefkowitz, E.J.; Lu, J.; Matsushima, P.; McAhren, S.; M  
e, P.; Sun, P.M.; Winkler, M.E.  
J. Bacteriol. 183, 5709-5717, 2001  
A:Authors: Yang, Y.; Young-Bellido, M.; Zhao, G.; Zook, C.; Baltz, R.H.; Jaskunas, S.R.;  
A:Title: Genome of the Bacterium Streptococcus pneumoniae Strain R6.  
A:Reference number: A97872; M0ID:21429245; PMID:11544234  
A:Accession: H98101  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-363 <KUR>  
A:Cross-references: GB:AE007317; PIDN:AA00645.1; PID:g15459531; GSPDB:GN00174  
C:Genetics:  
A:Gene: spr1842

Query Match 100.0%; Score 31; DB 2; Length 363;  
Best Local Similarity 45.5%; Pred. No. 3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||  
DB 30 EEVVPFEGFAM 40

## RESULT 44

T36116  
probable oxidoreductase - Streptomyces coelicolor  
C:Species: Streptomyces coelicolor  
C:Date: 03-Dec-1999 #sequence\_revision 03-Dec-1999 #text\_change 03-Dec-1999  
C:Accession: T36116  
R:Murphy, L.; Harris, D.; Bentley, S.D.; Parkhill, J.; Barrell, B.G.; Rajandream, M  
submitted to the EMBL Data Library, April 1999  
A:Reference number: Z21597  
A:Accession: T36116  
A:Status: preliminary; translated from GB/EMBL/DDBJ  
A:Molecule type: DNA  
A:Residues: 1-367 <MUR>  
A:Cross-references: EMBL:AL049707; PIDN:CAB41282.1; GSPDB:GN00070; SCOEDB:SCE15.13c  
A:Experimental source: strain A3(2)  
C:Genetics:  
A:Gene: SCOEDB:SCE15.13c

Query Match 100.0%; Score 31; DB 2; Length 367;  
Best Local Similarity 45.5%; Pred. No. 3.1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
DB 325 EEVVPVLRREF 335

## RESULT 45

JC5747  
coronafacic acid synthetase component cfa3 [imported] - Pseudomonas syringae  
N:Contains: 3-oxoacyl-[acyl-carrier-protein] synthase (EC 3.2.1.-)  
C:Species: Pseudomonas syringae  
C:Date: 24-Jan-1998 #sequence\_revision 13-Mar-1998 #text\_change 20-Jun-2000  
C:Accession: JC5747  
R:Penfold, C.N.; Bender, C.L.; Turner, J.G.  
Gene 183, 167-173, 1996  
A:Title: Characterisation of genes involved in biosynthesis of coronafacic acid, th  
A:Reference number: JC5745; M0ID:97149295; PMID:8996103  
A:Accession: JC5747  
A:Molecule type: DNA  
A:Residues: 1-380 <PEN>  
A:Cross-references: GB:U56980; NID:g1655810; PIDN:AA841300.1; PID:g1655813  
A:Note: the authors translated the initiation codon GNG for residue 1 as Met  
C:Genetics:  
A:Gene: cfa3

A:Start codon: GTG  
C:Superfamily: 3-oxoacyl-[acyl-carrier-protein] synthase I; 3-oxoacyl-[acyl-carrier  
C:Keywords: glycosidase; hydrolase; transferase  
F:26-372/Domain: 3-oxoacyl-[acyl-carrier-protein] synthase I homology <OAS>

Query Match 100.0%; Score 31; DB 2; Length 380;  
Best Local Similarity 45.5%; Pred. No. 3.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
DB 89 EEVVPVLRATSY 99

## RESULT 46

T05399  
hypothetical protein fl0M6.70 - Arabidopsis thaliana  
C:Species: Arabidopsis thaliana (mouse-ear cress)  
C:Date: 23-Apr-1999 #sequence\_revision 23-Apr-1999 #text\_change 20-Jun-2000  
C:Accession: T05399  
R:Bevan, M.; Weichselgartner, M.; Fartmann, B.; Granderath, K.; Dauner, D.; Herzl,  
submitted to the Protein Sequence Database, February 1998  
A:Reference number: Z15414  
A:Accession: T05399

A:Molecule type: DNA  
A:Residues: 1-384 <BEV>  
A:Cross-references: EMBL:AL021811  
A:Experimental source: cultivar Columbia; BAC clone F10M6  
C:Genetics:  
A:Map position: 4  
A:Note: F10M6.70  
C:Superfamily: Arabidopsis thaliana hypothetical protein T2P22.120

Query Match 100.0%; Score 31; DB 2; Length 384;  
Best Local Similarity 45.5%; Pred. No. 3.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 318 EEVVPVLVRL 328

RESULT 47  
T16782  
hypothetical protein T02G5.7 - Caenorhabditis elegans  
C:Species: Caenorhabditis elegans  
C:Date: 20-Sep-1999 #sequence\_revision 20-Sep-1999 #text\_change 24-Nov-1999  
C:Accession: T16782  
R:Pauley, A.  
Submitted to the EMBL Data Library, November 1995  
A:Description: The sequence of C. elegans cosmid T02G5.  
A:Reference number: Z18577  
A:Accession: T16782  
A>Status: preliminary; translated from GB/EMBL/DBJ  
A:Molecule type: DNA  
A:Residues: 1-390 <PAU>  
A:Cross-references: EMBL:U41105; NID:gl086772; PID:gl086775; PIDN:AAA82398.1; CESP:T02G5  
A:Gene: CESP:T02G5.7  
A:Introns: 44/1; 226/3; 351/2  
C:Superfamily: acetyl-CoA acetyltransferase

Query Match 100.0%; Score 31; DB 2; Length 390;  
Best Local Similarity 45.5%; Pred. No. 3.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 197 EEVVPVSVKTS 207

RESULT 48  
B83841  
phosphopentomutase BH1530 [imported] - Bacillus halodurans (strain C-125)  
C:Species: Bacillus halodurans  
C:Date: 01-Dec-2000 #sequence\_revision 01-Dec-2000 #text\_change 15-Jun-2001  
C:Accession: B83841  
R:Takami, H.; Nakasone, K.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fujii, F.; Hira  
Nucleic Acids Res. 28, 4317-4331, 2000  
A:Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and  
A:Reference number: A83650; MUID:20512582; PMID:11058132  
A:Accession: B83841  
A>Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-393 <STO>  
A:Cross-references: GB:AP001512; GB:BA000004; NID:gl0174030; PIDN:BA05249.1; GSPDB:GN00  
A:Experimental source: strain C-125  
C:Genetics:  
A:Gene: BH1530  
C:Superfamily: phosphopentomutase

Query Match 100.0%; Score 31; DB 2; Length 393;  
Best Local Similarity 45.5%; Pred. No. 3.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||

Db 167 EEVPLEEYD 177

## RESULT 49

B69619

Phosphodeoxyribomutase drm - Bacillus subtilis

C:Species: Bacillus subtilis

C:Date: 05-Dec-1997 #sequence\_revision 05-Dec-1997 #text\_change 20-Jun-2000

C:Accession: B69619

R:Kunst, F.; Ogasawara, N.; Moszer, I.; Albertini, A.M.; Alloni, G.; Azevedo, V.; Be

C.: Bron, S.; Brouillet, S.; Bruchsi, C.V.; Caldwell, B.; Capuano, V.; Carter, N.M.;

A.: Ehrlich, S.D.; Emerson, P.I.; Entian, K.D.; Errington, J.; Fabret, C.; Ferrari,

Nature 390, 249-256, 1997

A:Authors: Foulger, D.; Fritz, C.; Fujita, M.; Fujita, Y.; Fuma, S.; Galizzi, A.; Ga

iech, J.; Harwood, C.R.; Henaut, A.; Hilbert, H.; Holsappel, S.; Hosono, S.; Hullo,

Koetter, P.; Koningstein, G.; Krogh, S.; Kumano, M.; Kurita, K.; Lapidus, A.; Lardin

A:Authors: Lauber, J.; Lazarevic, V.; Lee, S.M.; Levine, A.; Liu, H.; Masuda, S.; Ma

Y, M.; Ogawa, K.; Ogiwara, A.; Oudega, B.; Park, S.H.; Parro, V.; Pohl, T.M.; Portet

Kleger, M.; Rivolta, C.; Rocha, E.; Roche, B.; Rose, M.; Sadale, Y.; Sato, T.; Scan

A:Authors: Schleich, S.; Schroeter, R.; Scoffone, F.; Sekiguchi, J.; Sekowska, A.; S

akeuchi, M.; Tamakoshi, A.; Tanaka, T.; Terpstra, P.; Tognoni, A.; Tosato, V.; Uchi

T.; Winters, P.; Wipat, A.; Yamamoto, H.; Yamane, K.; Yasumoto, K.; Yata, K.; Yoshid

A:Authors: Yoshikawa, H.F.; Zumstein, E.; Yoshikawa, H.; Danchin, A.

A:Title: The complete genome sequence of the Gram-positive bacterium Bacillus subtil

A:Reference number: A69580; MUID:98044033; PMID:9384377

A:Accession: B69619

A&gt;Status: preliminary; nucleic acid sequence not shown; translation not shown

A:Residues: 1-394 &lt;KUN&gt;

A:Cross-references: GB:Z99116; GB:AL009126; NID:g2634723; PIDN:CAB14282.1; PID:g2634

A:Molecule type: DNA

A:Experimental source: strain 168

C:Genetics:

A:Gene: drm

C:Superfamily: phosphopentomutase

Query Match 100.0%; Score 31; DB 2; Length 394;

Best Local Similarity 45.5%; Pred. No. 3.3e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 167 EEVPLEEYD 177

RESULT 50

S36719

FUN33 protein - yeast (Saccharomyces cerevisiae)

N:Alternate names: protein VAL015C

C:Species: Saccharomyces cerevisiae

C:Date: 31-Dec-1993 #sequence\_revision 31-Dec-1993 #text\_change 24-Sep-1999

C:Accession: S36719

R:Oueltette, F.; Clark, M.W.; Keng, T.; Storms, R.K.; Zhong, W.; Zeng, B.; Fortin, N.

submitted to the EMBL Data Library, January 1993

A:Description: Sequencing of Chromosome I from Saccharomyces cerevisiae: analysis of

A:Reference number: S36711

A:Accession: S36719

A:Molecule type: DNA

A:Residues: 1-399 &lt;OUE&gt;

A:Cross-references: EMBL:L05146; NID:gl71851; PIDN:AAC04942.1; PID:gl71860; MIPS:YAL

C:Genetics:

A:Gene: SGD:NTG1; FUN33

A:Cross-references: MIPS:YAL015C; SGD:S0000013

A:Map position: 1L

C:Superfamily: yeast FUN33 protein

C:Keywords: mitochondrion

Query Match 100.0%; Score 31; DB 2; Length 399;

Best Local Similarity 45.5%; Pred. No. 3.4e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 40 EEVVPQPVDD 50

A:Residues: 1-407 <KUR>  
 A:Cross-references: GB:BA000018; PID:g13701510; PIDN:BAB42804.1; GSPDB:GN00149  
 A:Experimental source: strain N315  
 C:Genetics:  
 C:Superfamily: Mycoplasma genitalium hypothetical protein MG372

Query Match 100.0%; Score 31; DB 2; Length 407;  
 Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:  
 Db 163 EEVPGSGGLP 173

## RESULT 53

B82682  
 succinylornithine aminotransferase XF1427 [imported] - Xylella fastidiosa (strain 9)  
 C:Species: Xylella fastidiosa  
 C:Date: 18-Aug-2000 #sequence\_revision 20-Aug-2000 #text\_change 02-Sep-2000  
 C:Accession: B82682  
 R:Anonymous, The Xylella fastidiosa Consortium of the Organization for Nucleotide S  
 Nature 406, 151-157, 2000  
 A:Title: The genome sequence of the plant pathogen Xylella fastidiosa.  
 A:Reference number: A82515; MUID:20365717; PMID:10910347  
 A:Note: for a complete list of authors see reference number A59328 below  
 A:Accession: B82682  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-411 <SIM>  
 A:Cross-references: GB:AE003973; GB:AE003849; NID:g9106438; PIDN:AAF84236.1; GSPDB:  
 R:Experimental source: strain 9a5c  
 R:Simpson, A.J.G.; Reinach, F.C.; Arruda, P.; Abreu, F.A.; Acencio, M.; Alvarenga,  
 Briones, M.R.S.; Bueno, M.R.P.; Camargo, A.A.; Camargo, L.E.A.; Carraro, D.M.; Carr  
 as-Neto, E.; Docena, C.; El-Dorri, H.; Facincaui, A.P.; Ferreira, A.J.S.  
 submitted to GenBank, June 2000  
 A:Authors: Ferreira, V.C.A.; Ferro, J.A.; Fraga, J.S.; Franca, S.C.; Franco, M.C.;  
 J.D.; Junqueira, M.L.; Kemper, E.L.; Kitajima, J.P.; Krieger, J.E.; Kuramae, E.E.;  
 chado, M.A.; Madeira, A.M.B.N.; Madeira, H.M.F.; Marino, C.L.; Marques, M.V.; Marti  
 A:Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.F.M.; Miracca, E.C.; Miyaki,  
 F.G.; Nunes, L.R.; Oliveira, M.A.; de Oliveira, M.C.; de Oliveira, R.C.; Palmieri  
 Rodrigues, V.; Rosa, A.J. de M.; de Rosa Jr., V.E.; de Sa, R.G.; Santelli, R.V.; Sa  
 A:Authors: da Silva, A.C.R.; da Silva, F.R.; da Silva, A.M.; Silva Jr., W.A.; da Si  
 M.; Tshukako, M.H.; Vallada, H.; Van Sluys, M.A.; Verjovski-Almeida, S.; Vettore, A.  
 A:Reference number: A59328  
 A:Contents: annotation  
 C:Genetics:  
 A:Gene: XF1427  
 C:Superfamily: ornithine-oxo-acid aminotransferase

Query Match 100.0%; Score 31; DB 2; Length 411;  
 Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:  
 Db 245 EEVVPDIVTLA 255

## RESULT 54

T44714  
 hypothetical protein MLCB1243.23c [imported] - Mycobacterium leprae

C:Species: Mycobacterium leprae  
 C:Date: 21-Jan-2000 #sequence\_revision 21-Jan-2000 #text\_change 21-Jan-2000  
 C:Accession: T44714  
 R:Parkhill, J.; Barrell, B.G.; Rajandream, M.A.  
 submitted to the EMBL Data Library, May 1998  
 A:Reference number: Z22830  
 A:Accession: T44714  
 A:Status: preliminary; translated from GB/EMBL/DDBJ  
 A:Molecule type: DNA  
 A:Residues: 1-414 <PAR>

## RESULT 51

A31266

alkane 1-monooxygenase (EC 1.14.15.3) - Pseudomonas oleovorans plasmid OCT

N:Alternate names: alkane 1-hydroxylase

C:Species: Pseudomonas oleovorans

C:Date: 26-Apr-1989 #sequence\_revision 26-May-1995 #text\_change 11-Jun-1999

C:Accession: A32849; S27990; A31266

R:Kok, M.; Oldenhuis, R.; van der Linden, M.P.G.; Raatjes, P.; Kingma, J.; van Lelyveld,

J. Biol. Chem. 264, 5435-5441, 1989

A:Title: The Pseudomonas oleovorans alkane hydroxylase gene. Sequence and expression.

A:Reference number: A32849; MUID:89174581; PMID:2647718

A:Accession: A32849

A:Molecule type: DNA

A:Residues: 1-401 <KOK>

A:Cross-references: GB:X65936; GB:J04618; NID:g49078; PIDN:CAA46733.1; PID:g49079; GB:J0

A:Note: part of this sequence, including the amino end of the mature protein, was confir

R:van Bellen, J.B.; Penninga, D.; Witholt, B.

J. Biol. Chem. 267, 9194-9201, 1992

A:Title: Topology of the membrane-bound alkane hydroxylase of Pseudomonas oleovorans.

A:Reference number: A40196; MUID:92250518; PMID:1315749

A:Contents: annotation

R:van Bellen, J.B.; Eggink, G.; Enequist, H.; Bos, R.; Witholt, B.

Mol. Microbiol. 6, 3121-3136, 1992

A:Title: DNA sequence determination and functional characterization of the OCT-plasmid-e

A:Reference number: S27990; MUID:93086421; PMID:1453953

A:Accession: S27990

A:Status: nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-401 <BEI>

A:Cross-references: EMBL:X65936; NID:g49078; PIDN:CAA46733.1; PID:g49079

A:Note: the nucleotide sequence was submitted to the EMBL Data Library, April 1992

C:Genetics:

A:Gene: alkB

A:Genome: plasmid OCT

C:Superfamily: alkane 1-monooxygenase

C:Keywords: inner membrane; oxidoreductase; transmembrane protein

F;1-401/Product: alkane 1-monooxygenase #status predicted <MAT>

F;20-39/Domain: transmembrane #status predicted <TM1>

F;40-42/Domain: periplasmic #status predicted <PR1>

F;43-62/Domain: transmembrane #status predicted <TM2>

F;63-109/Domain: transmembrane #status predicted <PR2>

F;110-112/Domain: periplasmic #status predicted <TM4>

F;113-134/Domain: transmembrane #status predicted <TM5>

F;228-246/Domain: transmembrane #status predicted <TM6>

F;247-249/Domain: periplasmic #status predicted <PR3>

F;250-271/Domain: transmembrane #status predicted <TM6>

Query Match 100.0%; Score 31; DB 1; Length 401;  
 Best Local Similarity 45.5%; Pred. No. 3.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:  
 Db 75 EEVVPKLEKER 85

## RESULT 52

G89955

hypothetical protein SAI537 [imported] - Staphylococcus aureus (strain N315)

C:Species: Staphylococcus aureus

C:Date: 10-May-2001 #sequence\_revision 10-May-2001 #text\_change 22-Oct-2001

C:Accession: G89955

R:Kuroda, M.; Ohta, T.; Uchiyama, I.; Baba, T.; Yuzawa, H.; Kobayashi, I.; Cui, L.; Oguc

ma, A.; Mizutani-Oi, Y.; Kobayashi, N.; Sawano, T.; Inoue, R.; Kato, C.; Sekimizu, K.;

C.; Shiba, T.; Hattori, M.; Ogasawara, N.; Hayashi, H.; Hiramatsu, K.

Lancet 357, 1225-1240, 2001

A:Title: Whole genome sequencing of methicillin-resistant Staphylococcus aureus.

A:Reference number: A89756; MUID:21311952; PMID:11418146

A:Accession: G89955

A:Status: preliminary

A:Molecule type: DNA

A:Cross-references: EMBL:AL023635; PIDN:CAA19204.1  
A:Experimental source: cosmid B1243  
C:Genetics:  
A:Note: MLCB1243.23c

Query Match 100.0%; Score 31; DB 2; Length 414;  
Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
DB 120 EEVVP LLARSE 130

## RESULT 55

F70778

hypothetical protein RV2242 - Mycobacterium tuberculosis (strain H37RV)

C:Species: Mycobacterium tuberculosis  
C:Date: 17-Jul-1998 #sequence\_revision 17-Jul-1998 #text\_change 22-Oct-1999  
C:Accession: F70778

R:Colle, S.T.; Brosch, R.; Parkhill, J.; Garnier, T.; Churcher, C.; Harris, D.; Gordon, S.; Connor, R.; Davies, R.; Devlin, K.; Feltwell, T.; Gentles, S.; Hamlin, N.; Holroyd, S.; Rajandream, M.A.; Rogers, J.; Rutter, S.; Seeger, K.; Skelton, S.; Squares, S.; Nature 393, 537-544, 1998

A:Authors: Squares, R.; Sulston, J.E.; Taylor, K.; Whitehead, S.; Bartell, B.G.

A:Title: Deciphering the biology of Mycobacterium tuberculosis from the complete genome

A:Reference number: A70500; MUID:98295987; PMID:9634230

A:Accession: F70778

A:Status: preliminary; nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-414 <COL>

A:Cross-references: GB:AL123456; NID:g3261567; PIDN:CRA94663.1; PID:e235181;

A:Experimental source: strain H37RV

C:Genetics:

A:Gene: RV2242

Query Match 100.0%; Score 31; DB 2; Length 414;  
Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
DB 120 EEVVP LLARSE 130

## RESULT 56

G75062

probable flagella-related protein D or E PAB1382 - Pyrococcus abyssi (strain Orsay)

C:Species: Pyrococcus abyssi  
C:Date: 20-Aug-1999 #sequence\_revision 20-Aug-1999 #text\_change 20-Aug-1999  
C:Accession: G75062

R:anonymous, Genoscope

A:Submitted to the EMBL Data Library, July 1999

A:Description: Pyrococcus abyssi genome sequence: insights into archaeal chromosome structure

A:Reference number: A75001

A:Accession: G75062

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-419 <RAW>

A:Cross-references: GB:AJ248287; GB:AL096836; NID:g5458657; PIDN:CAB50396.1; PID:e151629

A:Experimental source: strain Orsay

C:Genetics:

A:Gene: PAB1382

Query Match 100.0%; Score 31; DB 2; Length 419;  
Best Local Similarity 45.5%; Pred. No. 3.6e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
DB 201 EEVVP EEEVVE 211

## RESULT 57

JC7823

elongation factor 1 gamma-subunit, silk gland - silkworm

C:Species: Bombyx mori (silkworm)  
C:Date: 03-Jun-2002 #sequence\_revision 03-Jun-2002 #text\_change 03-Jun-2002  
C:Accession: JC7823

R:Kamile, K.; Nomura, Y.; Kobayashi, S.; Taira, H.; Kobayashi, K.; Yamashita, T.; Kido

A:Title: Cloning and expression of Bombyx mori silk gland elongation factor 1 gamma 1

A:Reference number: JC7823; PMID:12005049; MUID:21999810

A:Contents: Silk gland

A:Molecule type: mRNA

A:Accession: JC7823

A:Residues: 1-423 <KAM>

A:Cross-references: DDBJ:AB046361

C:Comment: This protein specifically binds to glutathione Sepharose and plays a role in elongation factor (EF)-1alpha-bound GDP for GTP, and is involved in the stimulation of t

Query Match 100.0%; Score 31; DB 2; Length 423;  
Best Local Similarity 45.5%; Pred. No. 3.6e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
DB 247 EEVVP DLEEEE 257

## RESULT 58

S53004

mitosis-specific cyclin CYC2 - rape

C:Species: Brassica napus (rape)

C:Date: 14-Jul-1995 #sequence\_revision 21-Jul-1995 #text\_change 16-Jul-1999  
C:Accession: S53004

R:Szarka, S.; Fitch, M.; Schaefer, S.; Moloney, M.

Plant Mol. Biol. 27, 263-275, 1995

A:Title: Classification and expression of a family of cyclin gene homologues in Brass

A:Reference number: S52996; MUID:95195155; PMID:7888617

A:Accession: S53004

A:Molecule type: mRNA

A:Residues: 1-425 <SZA>

A:Cross-references: EMBL:L25406; NID:g562189; PIDN:AAA51660.1; PID:g562190

A:Experimental source: cv. Westar

C:Superfamily: cyclin

C:Keywords: cell cycle control; cell division control; mitosis

## Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 425;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
DB 104 EEVVP IERKAF 114

## RESULT 59

H71172

hypothetical protein PH0580 - Pyrococcus horikoshii

C:Species: Pyrococcus horikoshii

C:Date: 14-Aug-1998 #sequence\_revision 14-Aug-1998 #text\_change 28-Jul-2000  
C:Accession: H71172

R:Kawarabayashi, Y.; Sawada, M.; Horikawa, H.; Hino, Y.; Yamamoto, S.; Ogo

M.; Ohfuku, Y.; Funahashi, T.; Tanaka, T.; Kudoh, Y.; Yamazaki, J.; Kushida, N.; Ogo

DNA Res. 5, 55-76, 1998

A:Title: Complete sequence and gene organization of the genome of a hyper-thermophilic

A:Reference number: A71000; MUID:98344137; PMID:9679194

A:Accession: H71172

A:Status: preliminary; nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-431 <RAW>

A:Cross-references: GB:AP000002; NID:g3236129; PIDN:BAA29669.1; PID:g3256986

A:Experimental source: strain OT3

A:Note: this accession replaces an interim accession for a sequence replaced by GenBa

C:Genetics:



```

C>Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 17-Nov-2000
C:Accession: G75530
R:White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.;
M.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma
S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.
Science 286, 1571-1577, 1999
A:Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.
A:Reference number: A75250; MUID:20036896; PMID:10567266
A:Accession: G75530
A>Status: preliminary
A:Molecule type: DNA
A:Residues: 1-478 <WHI>
A:Cross-references: GB:AE001894; GB:AE000513; NID:g6458011; PID:g6458011
A:Experimental source: strain R1
C:Genetics:
A:Gene: DR0335
A:Map position: 1

Query Match 100.0%; Score 31; DB 2; Length 478;
Best Local Similarity 45.5%; Pred. No. 4.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
|||||:
Db 314 EEVVPLEGND 324

RESULT 65
T12818
hypothetical protein yond - Bacillus subtilis phage SPBc2
C:Species: Bacillus subtilis phage SPBc2
C>Date: 13-Aug-1999 #sequence_revision 13-Aug-1999 #text_change 15-Oct-1999
C:Accession: T12818; F69913
R:Lazarevic, V.; Dueterhoeft, A.; Soldo, B.; Hilbert, H.; Muel, C.; Karamata, D.
submitted to the EMBL Data Library, August 1997
A:Description: The complete nucleotide sequence of the Bacillus subtilis SPBc2 prophage
A:Reference number: T12818
A:Accession: T12818
A>Status: translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-478 <LAZ>
A:Cross-references: EMBL:AF020713; NID:g3025478; PID:g3025532; PIDN:AAC13027.1
R:Kunst, F.; Ogasawara, N.; Moszer, I.; Albertini, A.M.; Alloni, G.; Azevedo, V.; Berter
C.; Bron, S.; Brouillet, S.; Brusch, C.V.; Caldwell, B.; Capuano, V.; Carter, N.M.; Chd
A.; Ehrlich, S.D.; Emmerson, P.T.; Entian, K.D.; Errington, J.; Fabret, C.; Ferrari, E.
Nature 390, 249-256, 1997
A:Authors: Foulger, D.; Fritz, C.; Fujita, M.; Fujita, Y.; Fuma, S.; Galizzi, A.; Galler
iech, J.; Harwood, C.R.; Henaut, A.; Hilbert, H.; Holsappel, S.; Hosono, S.; Hullo, M.F.
Koetter, P.; Koningsstein, G.; Krogh, S.; Kumano, M.; Kurita, K.; Lapidus, A.; Lardinois
A:Authors: Lauber, J.; Lazarevic, V.; Lee, S.M.; Levine, A.; Liu, H.; Masuda, S.; Maueel
Y, M.; Ogawa, K.; Ogiwara, A.; Oudega, B.; Park, S.H.; Parro, V.; Pohl, T.M.; Portetelle
Rieger, M.; Rivolta, C.; Rocha, E.; Roche, B.; Rose, M.; Sadaie, Y.; Sato, T.; Scanlon,
A:Authors: Schleich, S.; Schroeter, R.; Scoffone, F.; Sekiguchi, J.; Sekowska, A.; Serod
akeuchi, M.; Tamakoshi, A.; Tanaka, T.; Terpstra, P.; Tognoni, A.; Tosato, V.; Uchiyama,
T.; Winters, P.; Wipat, A.; Yamamoto, H.; Yamane, K.; Yasumoto, K.; Yata, K.; Yoshida, K
A:Authors: Yoshikawa, H.F.; Zumstein, E.; Yoshikawa, H.; Danchin, A.
A:Title: The complete genome sequence of the Gram-positive bacterium Bacillus subtilis.
A:Reference number: A69580; MUID:98044033; PMID:9384377
A:Accession: F69913
A>Status: nucleic acid sequence not shown; translation not shown
A:Molecule type: DNA
A:Residues: 1-478 <KUN>
A:Cross-references: GB:299115; GB:AL009126; NID:g2634478; PIDN:CAB14031.1; PID:el183560;
A:Experimental source: strain 168
C:Genetics:
A:Gene: yond

Query Match 100.0%; Score 31; DB 2; Length 478;
Best Local Similarity 45.5%; Pred. No. 4.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
|||||:

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Db 319 EEVVPPIQSQ 329

```

RESULT 66
A35667
Ty transcription activator TECL - yeast (Saccharomyces cerevisiae)
N:Alternate names: Ty transcription activator TECL; protein YBR083W
C:Species: Saccharomyces cerevisiae
C>Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 21-Jul-2000
C:Accession: A35667; S45950
R:Laloux, I.; Dubois, E.; Dewerchin, M.; Jacobs, E.
Mol. Cell. Biol. 10, 3541-3550, 1990
A:Title: TECL, a gene involved in the activation of Ty1 and Ty2-mediated gene expression
A:Reference number: A35667; MUID:90287143; PMID:2192259
A:Accession: A35667
A:Molecule type: DNA
A:Residues: 1-486 <LAL>
A:Cross-references: GB:M32797; NID:gl72881; PIDN:AAA35141.1; PID:gl72882
R:Andre, B.; Cziepluch, C.; Hein, C.; Jauniaux, J.C.; Urrestarazu, A.; Vissers, S.
submitted to the Protein Sequence Database, August 1994
A:Reference number: S45950
A:Accession: S45950
A:Molecule type: DNA
A:Residues: 1-486 <AND>
A:Cross-references: EMBL:Z35952; NID:g536345; PIDN:CAA85028.1; PID:g536346; GSPDB:GNO
C:Genetics:
A:Gene: SGD:TECL; MIPS:YBR083W
A:Cross-references: SGD:S0000287; MIPS:YBR083W
A:Map position: 2R
C:Superfamily: Ty transcription activator TECL; TEA DNA-binding domain homology
C:Keywords: DNA binding; nucleus; transcription regulation
F:123-193/Domain: TEA DNA-binding domain homology <TEA>

```

```

Query Match 100.0%; Score 31; DB 1; Length 486;
Best Local Similarity 45.5%; Pred. No. 4.2e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
|||||:
Db 393 EEVVPRTAVT 403

RESULT 67
E75561
Probable phytoene dehydrogenase - Deinococcus radiodurans (strain R1)
C:Species: Deinococcus radiodurans
C>Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 31-Mar-2000
C:Accession: E75561
R:White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.
M.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.;
S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.
Science 286, 1571-1577, 1999
A:Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.
A:Reference number: A75250; MUID:20036896; PMID:10567266
A:Accession: E75561
A>Status: preliminary
A:Molecule type: DNA
A:Residues: 1-511 <WHI>
A:Cross-references: GB:AE001872; GB:AE000513; NID:g6457750; PIDN:AAF09686.1; PID:g645
A:Experimental source: strain R1
C:Genetics:
A:Gene: DR0093
A:Map position: 1
C:Superfamily: phytoene dehydrogenase

```

```

Query Match 100.0%; Score 31; DB 2; Length 511;
Best Local Similarity 45.5%; Pred. No. 4.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
|||||:
Db 45 EEVVPGYRFDY 55

Query Match 100.0%; Score 31; DB 2; Length 511;
Best Local Similarity 45.5%; Pred. No. 4.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```



## RESULT 68

C82900  
probable ABC substrate-binding protein, iron U0359 [imported] - Ureaplasma urealyticum  
C:Species: Ureaplasma urealyticum  
C:Date: 18-Aug-2000 #sequence\_revision 20-Aug-2000 #text\_change 02-Sep-2000  
C:Accession: C82900  
R:Glass, J.I.; Lefkowitz, E.J.; Glass, J.S.; Weiner, C.R.; Chen, E.Y.; Cassell, G.H.  
submitted to Genbank, February 2000  
A:Description: The complete sequence of Ureaplasma urealyticum: Alternate views of a min  
A:Reference number: A82870  
A:Accession: C82900  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-544 <GLA>  
A:Cross-references: GB:AF002133; GB:AF222894; NID:g6899339; PIDN:AAF30768.1; GSPDB:GN001  
A:Experimental source: serovar 3; biovar 1  
C:Genetics:  
A:Gene: ABCsbp-5; U0359  
A:Genetic code: SGC3

Query Match 100.0%; Score 31; DB 2; Length 544;  
Best Local Similarity 45.5%; Pred. No. 4.8e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|:|:|:|

Db 135 EEVVPXLYL 145

## RESULT 69

B88500  
protein K04G7.1 [imported] - Caenorhabditis elegans  
C:Species: Caenorhabditis elegans  
C:Date: 10-May-2001 #sequence\_revision 10-May-2001 #text\_change 10-May-2001  
C:Accession: B88500  
R:anonymous; The C. elegans Sequencing Consortium.  
Science 282, 2012-2018, 1998  
A:Title: Genome sequence of the nematode C. elegans: a platform for investigating biolog  
A:Reference number: A75000; MUID:99069613; PMID:9851916  
A:Note: see websites genome.wustl.edu/gsc/C\_elegans/ and www.sanger.ac.uk/projects/C\_ele  
A:Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; and  
A:Accession: B88500  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-558 <STO>  
A:Cross-references: GB:chr\_III; PIDN:AAA62533.1; PID:g687842; GSPDB:GN000021; CESP:K04G7.  
C:Genetics:  
A:Gene: K04G7.1  
A:Map position: 3

Query Match 100.0%; Score 31; DB 2; Length 558;  
Best Local Similarity 45.5%; Pred. No. 4.9e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|:|:|:|

Db 544 EEVVPQPRRH 554

## RESULT 70

S28762  
gene Dbp73D protein - fruit fly (Drosophila melanogaster)  
C:Species: Drosophila melanogaster  
C:Date: 10-Sep-1999 #sequence\_revision 10-Sep-1999 #text\_change 19-Jan-2001  
C:Accession: S28762  
R:Patterson, L.F.; Harvey, M.; Lasko, P.F.  
Nucleic Acids Res. 20, 3063-3067, 1992  
A:Title: Dbp73D, a Drosophila gene expressed in ovary, encodes a novel D-E-A-D box prote  
A:Reference number: S28762; MUID:92319633; PMID:1620603  
A:Accession: S28762  
A:Molecule type: DNA  
A:Residues: 1-572 <PAT>

A:Cross-references: GB:S39064; EMBL:M74824; NID:g250810; PID:g250811

C:Genetics:

A:Gene: Dbp73D

A:Cross-references: FlyBase:FBgn0004556

A:Introns: 8/2; 282/1

C:Superfamily: fruit fly gene Dbp73D protein

C:Keywords: ATP; nucleotide binding; nucleus; P-loop

F:190-197/Region: nucleotide-binding motif A (P-loop)

F:301-306/Region: nucleotide-binding motif B

F:305-308/Region: DEAD motif

Query Match 100.0%; Score 31; DB 1; Length 572;  
Best Local Similarity 45.5%; Pred. No. 5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|:|:|:|

Db 84 EEVVPSEFQV 94

## RESULT 71

T29096  
gag polyprotein - murine endogenous retrovirus ERV-L  
C:Species: murine endogenous retrovirus ERV-L  
C:Date: 02-Sep-2000 #sequence\_revision 02-Sep-2000 #text\_change 02-Sep-2000  
C:Accession: T29096  
R:Benit, L.; de Parseval, N.; Casella, J.F.; Callebaut, I.; Cordonnier, A.; Heidman  
J. Virol. 71, 5652-5657, 1997  
A:Title: Cloning of a new murine endogenous retrovirus, MuERV-L, with strong similar  
A:Reference number: Z20565; MUID:97332409; PMID:9186643  
A:Accession: T29096  
A:Status: preliminary; translated from GB/EMBL/DDBJ  
A:Molecule type: DNA  
A:Residues: 1-581 <BEN>  
A:Cross-references: EMBL:Y12713; NID:el045748; PID:e314303; PIDN:CAA73250.1  
A:Experimental source: specific host Mus musculus; strain BALB/c  
C:Genetics:  
A:Gene: gag

Query Match 100.0%; Score 31; DB 2; Length 581;  
Best Local Similarity 45.5%; Pred. No. 5.1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|:|:|:|

Db 199 EEVVPSEAPLE 209

## RESULT 72

T04506  
hypothetical protein F8F16.210 - Arabidopsis thaliana  
C:Species: Arabidopsis thaliana (mouse-ear cress)  
C:Date: 30-Apr-1999 #sequence\_revision 30-Apr-1999 #text\_change 30-Apr-1999  
C:Accession: T04506  
R:Bevan, M.; Brandt, P.; Dose, S.; Jarke, D.; Scharfe, M.; Schon, O.; Hoheisel, J.;  
submitted to the Protein Sequence Database, April 1998  
A:Reference number: Z15375  
A:Accession: T04506  
A:Molecule type: DNA  
A:Residues: 1-596 <BEV>  
A:Cross-references: EMBL:AL021633  
A:Experimental source: cultivar Columbia; BAC clone F8F16  
C:Genetics:  
A:Map position: 4  
A:Introns: 117/3; 144/2; 172/3; 202/3; 266/3; 321/3; 368/3; 428/3; 494/1; 551/3.  
A:Note: F8F16.210

Query Match 100.0%; Score 31; DB 2; Length 596;  
Best Local Similarity 45.5%; Pred. No. 5.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|:|:|:|

Db 146 EEVVPFRARQL 156

## RESULT 73

SI5009

hypothetical protein A - Cryphonectria hypovirus 1

C:Species: Cryphonectria hypovirus 1

C>Date: 19-Mar-1997 #sequence\_revision 19-Mar-1997 #text\_change 21-Jul-2000

C:Accession: SI5009

R:Shapira, R.; Choi, G.H.; Nuss, D.L.

EMBO J. 10, 731-739, 1991

A:Title: Virus-like genetic organization and expression strategy for a double-stranded R

A:Reference number: SI5009; MUID:91184117; PMID:2009854

A:Accession: SI5009

A>Status: preliminary

A:Molecule type: genomic RNA

A:Residues: 1-622 <EMB>

A:Cross-references: GB:M57938; NID:g331157; PIDN:AAA67457.1; PID:g331158

Query Match 100.0%; Score 31; DB 2; Length 622;

Best Local Similarity 45.5%; Pred. No. 5.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 31 EEVVPAGCITL 41

## RESULT 74

D82352

iron(III) ABC transporter, permease protein VC0203 [imported] - Vibrio cholerae (strain

C:Species: Vibrio cholerae

C>Date: 18-Aug-2000 #sequence\_revision 20-Aug-2000 #text\_change 02-Feb-2001

C:Accession: D82352

R:Heidelberg, J.F.; Eisen, J.A.; Nelson, W.C.; Clayton, R.A.; Gwinn, M.L.; Dodson, R.J.;

chardson, D.; Ermolaeva, M.D.; Vamathevan, J.; Bass, S.; Qin, H.; Dragoi, I.; Sellers, B.

L.; R.R.; Mekalanos, J.J.; Venter, J.C.; Fraser, C.M.

Nature 406, 477-483, 2000

A:Title: DNA sequence of both chromosomes of the cholera pathogen Vibrio cholerae.

A:Reference number: A82035; MUID:20406833; PMID:10952301

A:Accession: D82352

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-653 <HEI>

A:Cross-references: GB:AE004110; GB:AE003852; NID:99654600; PIDN:AAF93379.1; GSPDB:GN001

A:Experimental source: serogroup O1; strain N16961; biotype El Tor

C:Genetics:

A:Gene: VC0203

A:Map position: 1

Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 653;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 300 EEVVPGGITAA 310

## RESULT 75

T23108

hypothetical protein T11F9.12 - Caenorhabditis elegans

C:Species: Caenorhabditis elegans

C>Date: 15-Oct-1999 #sequence\_revision 15-Oct-1999 #text\_change 29-Oct-1999

C:Accession: T23108; T24845

R:White, S.

submitted to the EMBL Data Library, September 1998

A:Reference number: Z19680

A:Accession: T23108

A>Status: preliminary; translated from GB/EMBL/DDBJ

A:Molecule type: DNA

A:Residues: 1-688 <WIL>

A:Cross-references: EMBL:AL031623; PIDN:CAA20938.1; GSPDB:GN00023; CESP:T11F9.12

A:Experimental source: clone H21M04

R:Lennard, N.

submitted to the EMBL Data Library, June 1996

A:Reference number: Z19941

A:Accession: T24845

A>Status: preliminary; translated from GB/EMBL/DDBJ

A:Molecule type: DNA

A:Residues: 1-688 <WI2>

A:Cross-references: EMBL:Z74042; PIDN:CAA98537.1; GSPDB:GN00023; CESP:T11F9.12

A:Experimental source: clone T11F9

C:Genetics:

A:Gene: CESP:T11F9.12

A:Map position: 5

A:Introns: 44/1; 171/2; 176/3; 225/3; 414/2; 514/2; 625/2

Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 688;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 384 EEVVPVPEPK 394

## RESULT 76

JC5061

macrophage-stimulating protein 1 precursor - rat

C:Species: Rattus norvegicus (Norway rat)

C>Date: 31-Jan-1997 #sequence\_revision 31-Jan-1997 #text\_change 16-Jun-2000

C:Accession: JC5061

R:Ohshiro, K.; Iwama, A.; Matsuno, K.; Ezaki, T.; Sakamoto, O.; Hamaguchi, I.; Takasu

Biochem. Biophys. Res. Commun. 227, 273-280, 1996

A:Title: Molecular cloning of rat macrophage-stimulating protein and its involvement

A:Reference number: JC5061; MUID:97011136; PMID:8858136

A:Accession: JC5061

A:Molecule type: mRNA

A:Residues: 1-716 <OHS>

A:Cross-references: EMBL:X95096; NID:gl669718; PIDN:CAA64473.1; PID:gl669719

C:Complex: disulfide-bonded heterodimer of chains derived from the same precursor

C:Superfamily: hepatocyte growth factor; kringle homology; trypsin homology

C:Keywords: duplication; glycoprotein; growth factor; kringle

F:1-31/Domain: signal sequence #status predicted <SIG>

F:32-488/Domain: macrophage-stimulating protein 1 #status predicted <MAT>

F:32-488/Domain: macrophage-stimulating protein 1 alpha chain #status predicted <ACH>

F:191-268/Domain: kringle homology <KR11>

F:292-370/Domain: kringle homology <KR12>

F:379-457/Domain: kringle homology <KR13>

F:489-716/Domain: kringle homology <KR14>

F:489-709/Domain: macrophage-stimulating protein 1 beta chain #status predicted <BCH>

F:72,305,620/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match

Best Local Similarity 100.0%; Score 31; DB 1; Length 716;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 372 EEVPEGCYHG 382

## RESULT 77

T29448

hypothetical protein F08F3.2 - Caenorhabditis elegans

C:Species: Caenorhabditis elegans

C>Date: 15-Oct-1999 #sequence\_revision 15-Oct-1999 #text\_change 15-Oct-1999

C:Accession: T29448

R:Blanchard, M.; Bradshaw, H.

submitted to the EMBL Data Library, July 1996

A:Description: The sequence of C. elegans cosmid F08F3.

A:Reference number: Z20620

A:Accession: T29448

A>Status: preliminary; translated from GB/EMBL/DDBJ

A:Molecule type: DNA  
 A:Residues: 1-718 <BLA>  
 A:Cross-references: EMBL:U64847; PIDN:AAB04876.1; GSPDB:GN00023; CESP:F08F3.2  
 A:Experimental source: strain Bristol N2; clone F08F3  
 C:Genetics:  
 A:Gene: CESP:F08F3.2  
 A:Map position: 5  
 A:Introns: 42/3; 65/2; 156/3; 279/1; 310/3; 346/3; 406/1; 516/1; 552/3; 600/3; 667/1

Query Match 100.0%; Score 31; DB 2; Length 718;  
 Best Local Similarity 45.5%; Pred. No. 6.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 25 EEVPPRRRYV 35

RESULT 78  
 S37384  
 catalase (EC 1.11.1.6) R - Aspergillus niger  
 C:Species: Aspergillus niger  
 C>Date: 31-Dec-1993 #sequence\_revision 31-Dec-1993 #text\_change 04-Mar-2000  
 C:Accession: S37384  
 R:Fowler, T.; Rey, M.W.; Vaehae-Vahe, P.; Power, S.D.; Berka, R.M.  
 Mol. Microbiol. 9, 989-998, 1993  
 A:Title: The catr gene encoding a catalase from Aspergillus niger: primary structure and  
 A:Reference number: S37384; MUID:95020642; PMID:7934925  
 A:Accession: S37384  
 A:Status: not compared with conceptual translation  
 A:Molecule type: DNA  
 A:Residues: 1-730 <FOW>  
 A:Cross-references: GB:223138; NID:9840715; PIDN:CAA80669.1; PID:9840716; GB:L15474; NID  
 A:Note: the authors translated the codon ACT for residue 64 as Phe  
 C:Comment: This catalase is unusual in that Ile-178 replaces the Asn found at the homolog  
 important. In all catalases, this position is followed immediately by another Asn, so we  
 C:Genetics:  
 A:Gene: catr  
 A:Introns: 98/3; 174/1; 312/3; 367/3  
 C:Superfamily: catalase  
 C:Keywords: chromoprotein; heme; iron; metalloprotein; oxidoreductase  
 F:105,144,179/Active site: His, Ser, Asn #status predicted  
 F:392/Binding site: heme iron (Tyr) (axial ligand) #status predicted

Query Match 100.0%; Score 31; DB 2; Length 730;  
 Best Local Similarity 45.5%; Pred. No. 6.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 339 EEVVPYTLGM 349

RESULT 79  
 A55314  
 glycine-tRNA ligase (EC 6.1.1.14) precursor [validated] - human  
 N:Alternate names: glycyl-tRNA synthetase  
 C:Species: Homo sapiens (man)  
 C>Date: 06-Feb-1995 #sequence\_revision 06-Feb-1995 #text\_change 03-Jun-2002  
 C:Accession: A55314; A55400; S55043; S71154  
 R:Shiba, K.; Schimmel, P.; Motegi, H.; Noda, T.  
 J. Biol. Chem. 269, 30049-30055, 1994  
 A:Title: Human glycyl-tRNA synthetase. Wide divergence of primary structure from bacteri  
 A:Reference number: A55314; MUID:95050870; PMID:7562006  
 A:Accession: A55314  
 A:Status: preliminary  
 A:Molecule type: mRNA  
 A:Residues: 1-739 <SHI>  
 A:Cross-references: GB:D30658; NID:9577711; PIDN:BAA06338.1; PID:g1311463  
 A:Note: it is uncertain whether Met-1 or Met-55 is the initiator  
 R:Ge, Q.; Trieu, E.P.; Targoff, I.N.  
 J. Biol. Chem. 269, 28790-28797, 1994  
 A:Title: Primary structure and functional expression of human glycyl-tRNA synthetase, an

A:Reference number: A55400; MUID:95050687; PMID:7961834  
 A:Accession: A55400  
 A:Status: preliminary  
 A:Molecule type: mRNA  
 A:Residues: 55-739 <GEA>  
 A:Cross-references: GB:U09587; NID:g600726; PIDN:AAA57001.1; PID:g600727  
 R:Williams, J.; Osvath, S.; Khong, T.F.; Pearse, M.; Power, D.  
 Nucleic Acids Res. 23, 1307-1310, 1995  
 A:Title: Cloning, sequencing and bacterial expression of human glycine tRNA synthetase  
 A:Reference number: S55043; MUID:95273165; PMID:7753621  
 A:Accession: S55043  
 A:Status: nucleic acid sequence not shown  
 A:Molecule type: mRNA  
 A:Residues: 55-739 <WIL>  
 A:Cross-references: EMBL:U09510  
 R:Williams, J.H.  
 submitted to the EMBL Data Library, May 1994  
 A:Reference number: S71154  
 A:Accession: S71154  
 A:Molecule type: mRNA  
 A:Residues: 55-529, 1', 531-739 <WIW>  
 A:Cross-references: EMBL:U09510; NID:g595304; PIDN:AAA86443.1; PID:g493066  
 C:Genetics:  
 A:Gene: GDB:GARS; GLYRS  
 A:Cross-references: GDB:455231; OMIM:600287  
 A:Map position: 7p15-7p15  
 C:Function:  
 A:Description: EC 6.1.1.14 [validated, MUID:95273165]  
 A:Pathway: protein biosynthesis  
 C:Superfamily: human glycine-tRNA ligase; amino acid-tRNA ligase repeat homology  
 C:Keywords: aminoacyl-tRNA synthetase; ATP; ligase; protein biosynthesis  
 F:74-119/Domain: amino acid-tRNA ligase repeat homology <ATL>

Query Match 100.0%; Score 31; DB 2; Length 739;  
 Best Local Similarity 45.5%; Pred. No. 6.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 568 EEVVPNVIEPS 578

RESULT 80  
 T41622  
 probable ABC transporter - fission yeast (Schizosaccharomyces pombe)  
 C:Species: Schizosaccharomyces pombe  
 C>Date: 03-Dec-1999 #sequence\_revision 03-Dec-1999 #text\_change 03-Dec-1999  
 C:Accession: T41622  
 R:Aert, R.; Voickaert, G.; McDougall, R.C.; Rajandream, M.A.; Barrell, B.G.  
 submitted to the EMBL Data Library, October 1999  
 A:Reference number: Z21735  
 A:Accession: T41622  
 A:Status: preliminary; translated from GB/EMBL/DDBJ  
 A:Molecule type: DNA  
 A:Residues: 1-822 <AER>  
 A:Cross-references: EMBL:AL122011; PIDN:CAB58409.1; GSPDB:GN00068; SPDB:SPCC825.01  
 A:Experimental source: strain 972h; cosmid c825  
 C:Genetics:  
 A:Gene: SPDB:SPCC825.01  
 A:Map position: 3

Query Match 100.0%; Score 31; DB 2; Length 822;  
 Best Local Similarity 45.5%; Pred. No. 7.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 68 EEVVPVKKKPS 78

RESULT 81  
 T41358  
 hypothetical protein SPCC4G3.18 - fission yeast (Schizosaccharomyces pombe)

C:Species: Schizosaccharomyces pombe  
 C:Date: 03-Dec-1999 #sequence\_revision 03-Dec-1999 #text\_change 04-Mar-2000  
 C:Accession: T41358  
 R:Wood, V.; Rajandream, M.A.; Barrell, B.G.; Hilbert, H.; Duesterhoeft, A.  
 submitted to the EMBL Data Library, March 1998  
 A:Reference number: Z21918  
 A:Accession: T41358  
 A:Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: DNA  
 A:Residues: 1-828 <WOO>  
 A:Cross-references: EMBL:Z97052; PIDN:CAR09765.1; GSPDB:GNO0068; SPDB:SPCC4G3.18  
 A:Experimental source: strain 972h-; cosmid c4G3  
 C:Genetics:  
 A:Gene: SPDB:SPCC4G3.18  
 A:Map position: 3  
 C:Superfamily: Schizosaccharomyces pombe hypothetical protein SPCC4G3.18

Query Match 100.0%; Score 31; DB 2; Length 828;  
 Best Local Similarity 45.5%; Pred. No. 7.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 Db 200 EEVVPSSLOKK 210

RESULT 82  
 S48975  
 hypothetical protein YHR131c - yeast (Saccharomyces cerevisiae)  
 C:Species: Saccharomyces cerevisiae  
 C:Date: 02-Dec-1994 #sequence\_revision 02-Dec-1994 #text\_change 19-Apr-2002  
 C:Accession: S48975  
 R:Fulton, L.

submitted to the EMBL Data Library, June 1994  
 A:Description: The sequence of S. cerevisiae cosmid 9315.  
 A:Reference number: S48967

A:Accession: S48975  
 A:Molecule type: DNA  
 A:Residues: 1-840 <FUL>  
 A:Cross-references: EMBL:U10398; NID:g551328; PID:g500681; GSPDB:GNO0008; MIPS:YHR131c

C:Genetics:  
 A:Gene: MIPS:YHR131c  
 A:Cross-references: SGD:S0001173  
 A:Map position: 8R

Query Match 100.0%; Score 31; DB 2; Length 840;  
 Best Local Similarity 45.5%; Pred. No. 7.8e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 Db 514 EEVVPKPFNS 524

RESULT 83  
 S72541  
 nitrate reductase (NADH) (EC 1.7.1.1) [similarity] - Chlorella vulgaris  
 C:Species: Chlorella vulgaris  
 C:Date: 19-Mar-1998 #sequence\_revision 17-Apr-1998 #text\_change 03-Jun-2002  
 C:Accession: S72541  
 R:Cannons, A.C.; Dawson, H.N.; Pendleton, L.C.  
 Plant Mol. Biol. 30, 685, 1996  
 A:Title: Sequence announcement.  
 A:Reference number: S72541  
 A:Accession: S72541  
 A:Status: preliminary; nucleic acid sequence not shown; translation not shown  
 A:Molecule type: mRNA  
 A:Residues: 1-877 <CAN>

A:Cross-references: EMBL:U39930; NID:g1113860; PIDN:ARC49459.1; PID:g1113861  
 A:Note: the nucleotide sequence was submitted to the EMBL Data Library, November 1995  
 C:Superfamily: nitrate reductase (NADH); cytochrome b5 core homology; cytochrome-b5 reductase  
 A:Keywords: heme; iron; metalloprotein; molybdenum; molybdopterin; oxidoreductase; phospho  
 F:61-448/Domain: molybdopterin-binding domain homology <PCO>

F:502-576/Domain: cytochrome b5 core homology <CB5>  
 F:630-877/Domain: cytochrome-b5 reductase homology <CBR>  
 F:163/Binding site: molybdopterin (Cys) (covalent) #status predicted  
 F:537,560/Binding site: heme iron (His) (axial ligands) #status predicted

Query Match 100.0%; Score 31; DB 2; Length 877;  
 Best Local Similarity 45.5%; Pred. No. 8.1e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 Db 343 EEVVPAAAGTY 353

## RESULT 84

AC3384  
 ribonuclease E / zinc metalloproteinase (EC 3.4.24.-) [imported] - Brucella melitensis  
 C:Species: Brucella melitensis  
 C:Date: 01-Feb-2002 #sequence\_revision 01-Feb-2002 #text\_change 01-Feb-2002  
 C:Accession: AC3384  
 R:DelVecchio, V.G.; Kapral, V.; Redkar, R.J.; Patra, G.; Mujer, C.; Los, T.; Ivanov  
 Proc. Natl. Acad. Sci. U.S.A. 99, 443-448, 2002

A:Title: The genome sequence of the facultative intracellular pathogen Brucella melitensis  
 A:Reference number: AD3252; PMID:11756688  
 A:Accession: AC3384  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-891 <KUR>

A:Cross-references: GB:AE008917; PIDN:AAL52238.1; PID:g17983023; GSPDB:GNO0190  
 A:Experimental source: strain 16M  
 C:Genetics:  
 A:Gene: BME11057  
 A:Map position: I  
 C:Keywords: hydrolase; metalloproteinase

Query Match 100.0%; Score 31; DB 2; Length 891;  
 Best Local Similarity 45.5%; Pred. No. 8.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 Db 818 EEVPEKPKRR 828

## RESULT 85

S01909  
 hairy wing suppressor protein - fruit fly (Drosophila melanogaster)  
 C:Species: Drosophila melanogaster  
 C:Date: 31-Dec-1990 #sequence\_revision 31-Dec-1990 #text\_change 02-Nov-2001

C:Accession: S01909; S10135  
 R:Parkhurst, S.M.; Harrison, D.A.; Remington, M.P.; Spana, C.; Kelley, R.L.; Coyne, R.  
 Genes Dev. 2, 1205-1215, 1988

A:Title: The Drosophila su(Hw) gene, which controls the phenotypic effect of the wings  
 A:Reference number: S01909; MUID:89078995; PMID:2462523

A:Accession: S01909  
 A:Molecule type: DNA  
 A:Residues: 1-944 <PAR>  
 R:Corces, V.G.

submitted to the EMBL Data Library, September 1988

A:Reference number: S10135  
 A:Accession: S10135  
 A:Molecule type: DNA  
 A:Residues: 1-60, 'G', '62-248, 'R', '250-944 <COR>  
 C:Genetics:

A:Gene: FlyBase:su(Hw)  
 A:Cross-references: FlyBase:FBgn0003567  
 A:Introns: 286/3; 429/2; 473/3; 537/2; 579/1

C:Keywords: DNA binding; nucleus; transcription regulation; zinc finger  
 Query Match 100.0%; Score 31; DB 2; Length 944;  
 Best Local Similarity 45.5%; Pred. No. 8.8e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

...the ... of the ...

Maldives

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 160 EEVVPDIVHI 170

## RESULT 91

T33759

hypotheical protein Y66H1B.3 - Caenorhabditis elegans

C:Species: Caenorhabditis elegans

C&gt;Date: 29-Oct-1999 #sequence\_revision 29-Oct-1999 #text\_change 29-Oct-1999

C:Accession: T33759

R:Clarke, K.; Wohldmann, P.

submitted to the EMBL Data Library, October 1998

A:Description: The sequence of C. elegans cosmid Y66H1B.

A:Reference number: Z21401

A:Accession: T33759

A:Status: preliminary; translated from GB/EMBL/DBDJB

A:Molecule type: DNA

A:Residues: 1-1084 &lt;CLA&gt;

A:Cross-references: EMBL:AF100673; PIDN:AA69000.1; GSPDB:GN00022; CESP:Y66H1B.3

A:Experimental source: strain Bristol N2; clone Y66H1B

C:Genetics:

A:Gene: CESP:Y66H1B.3

A:Map position: 4

A:Introns: 12/3; 50/3; 108/1; 166/1; 353/3; 446/1; 624/3; 809/3; 843/1

## Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 1084;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:||||:  
Db 11 EEVVPDIRHDD 21

## RESULT 92

H96796

hypotheical protein F28016.19 [imported] - Arabidopsis thaliana

C:Species: Arabidopsis thaliana (mouse-ear cress)

C&gt;Date: 02-Mar-2001 #sequence\_revision 02-Mar-2001 #text\_change 31-Mar-2001

C:Accession: H96796

R:Neologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso,

Chen, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.;

ansen, N.F.; Hughes, B.; Huizar, L.

Nature 408, 816-820, 2000

A:Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.

C.A.; Li, J.H.; Li, Y.; Liu, X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziani,

Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.

A:Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon,

ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.

A:Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.

A:Reference number: A86141; MUID:21016719; PMID:11130712

A:Accession: H96796

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-1146 &lt;STO&gt;

A:Cross-references: GB:AE005173; NID:g6143897; PIDN:AAF04443.1; GSPDB:GN00141

C:Genetics:

A:Gene: F28016.19

A:Map position: 1

## Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 1146;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:||||:  
Db 86 EEVVPDFAFV 96

## RESULT 93

S22624

aggregation protein aspl - Enterococcus faecalis plasmid pPD1

C:Species: Enterococcus faecalis

C&gt;Date: 19-Mar-1997 #sequence\_revision 25-Apr-1997 #text\_change 26-Aug-1999

C:Accession: S22624

R:Galli, D.; Friesenegger, A.; Wirth, R.

Mol. Microbiol. 6, 1297-1308, 1992

A:Title: Transcriptional control of sex-pheromone-inducible genes on plasmid pAD1 of

A:Reference number: S22624; MUID:92349958; PMID:1640831

A:Accession: S22624

A:Status: preliminary; translation not shown

A:Molecule type: DNA

A:Residues: 1-1306 &lt;GAL&gt;

A:Cross-references: EMBL:X62656; NID:g43323; PIDN:CAA44520.1; PID:g43324

C:Genetics:

A:Gene: aspl

A:Genome: plasmid pPD1

C:Superfamily: aggregation protein asal

## Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 1306;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:||||:  
Db 91 EEVVPKIAAE 101

## RESULT 94

T51920

probable xanthine dehydrogenase [imported] - Neurospora crassa

N:Alternate names: protein B23i11.320

C:Species: Neurospora crassa

C&gt;Date: 20-Oct-2000 #sequence\_revision 20-Oct-2000 #text\_change 01-Dec-2000

C:Accession: T51920

R:Schulte, U.; Aign, V.; Hoheisel, J.; Brandt, P.; Fartmann, B.; Holland, R.; Nyakatu

submitted to the Protein Sequence Database, August 2000

A:Reference number: Z25858

A:Accession: T51920

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-1364 &lt;SCH&gt;

A:Cross-references: EMBL:AL391572; GSPDB:GN001116; NCSP:B23i11.320

A:Experimental source: BAC clone B23i11; strain OR74A

C:Genetics:

A:Gene: NCSP:B23i11.320

A:Map position: 6

A:Introns: 66/2; 1321/3

C:Superfamily: xanthine dehydrogenase; ferredoxin [2Fe-2S] homology

C:Keywords: 2Fe-2S; metalloprotein

F:68,73,76,98/Binding site: 2Fe-2S cluster (Cys) (covalent) #status predicted

## Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 1364;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:||||:  
Db 570 EEVPELEREI 580

## RESULT 95

AB1960

two-component sensor histidine kinase alr1229 [imported] - Nostoc sp. (strain PCC 712

C:Species: Nostoc sp.

A:Note: Nostoc sp. strain PCC 7120 is a synonym of Anabaena sp. strain PCC 7120

C&gt;Date: 14-Dec-2001 #sequence\_revision 14-Dec-2001 #text\_change 30-Jun-2002

C:Accession: AB1960

R:Kaneko, T.; Nakamura, Y.; Wolk, C.P.; Kuritz, T.; Sasamoto, S.; Watanabe, A.; Irigu

Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Tabata

DNA Res. 8, 205-213, 2001

A:Title: Complete Genomic Sequence of the Filamentous Nitrogen-fixing Cyanobacterium

A:Reference number: AB1807; MUID:21595285; PMID:11759840

A:Accession: AB1960

A;Status: preliminary  
A;Molecule type: DNA  
A;Residues: 1-1749 <KUR>  
A;Cross-references: GB:BA000019; PIDN:BA073186.1; PID:g17130576; GSPDB:GN00179  
A;Experimental source: strain POC 7120  
C;Genetics:  
A;Gene: alr1229

Query Match 100.0%; Score 31; DB 2; Length 1749;  
Best Local Similarity 45.5%; Pred. No. 1.8e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEEVPPXXXXXX 11  
|||||:|||||:  
Db 1085 EEEVPPHEDGLH 1095

## RESULT 96

H71527  
probable excinuclease ABC chain A - Chlamydia trachomatis (serotype D, strain UW3/Cx)  
C;Species: Chlamydia trachomatis  
C;Date: 10-Sep-1999 #sequence\_revision 10-Sep-1999 #text\_change 10-Sep-1999  
C;Accession: H71527  
R;Stephens, R.S.; Kalman, S.; Lammel, C.J.; Fan, J.; Marathe, R.; Aravind, L.; Mitchell, Science 282, 754-759, 1998  
A;Title: Genome sequence of an obligate intracellular pathogen of humans: Chlamydia trachomatis  
A;Reference number: A71570; MUID:99000809; PMID:9784136  
A;Accession: H71527  
A;Status: preliminary  
A;Molecule type: DNA  
A;Residues: 1-1786 <ARN>  
A;Cross-references: GB:AE001306; GB:AE001273; NID:g3328748; PID:g3328752  
A;Experimental source: serotype D, strain UW-3/Cx  
C;Genetics:  
A;Gene: uvrA  
C;Superfamily: Chlamydia trachomatis probable excinuclease ABC chain A; ATP-binding cassette  
F:608-883/Domain: ATP-binding cassette homology <ABCE>

Query Match 100.0%; Score 31; DB 1; Length 1786;  
Best Local Similarity 45.5%; Pred. No. 1.8e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEEVPPXXXXXX 11  
|||||:|||||:  
Db 178 EEEVPIHKFLT 188

## RESULT 97

S00485  
gene 11-1 protein precursor - malaria parasite (Plasmodium falciparum) (fragments)  
C;Species: Plasmodium falciparum  
C;Date: 07-Jun-1990 #sequence\_revision 07-Jun-1990 #text\_change 09-Jun-2000  
C;Accession: S00485  
R;Scherf, A.; Hilbich, C.; Siegel, K.; Mattei, D.; Mercereau-Puijalon, O.; Mueller-Hill, B. EMBO J. 7, 1129-1137, 1988  
A;Title: The 11-1 gene of Plasmodium falciparum codes for distinct fast evolving repeats  
A;Reference number: S00485; MUID:88296416; PMID:2841111  
A;Accession: S00485  
A;Molecule type: DNA  
A;Residues: 1-1315; 1316-1485; 1486-1657; 1658-1729; 1730-1948 <SCH>  
A;Cross-references: EMBL:X07453  
C;Comment: This protein is associated with the membrane of red blood cells at the schizont stage.  
C;Genetics:  
A;Gene: 11-1  
A;Introns: 71/3  
C;Keywords: tandem repeat  
F:1-71/Domain: signal sequence #status predicted <SIG>  
F:72-1948/Product: gene 11-1 protein (fragments) #status predicted <MAT>

Query Match 100.0%; Score 31; DB 2; Length 1948;  
Best Local Similarity 45.5%; Pred. No. 2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEEVPPXXXXXX 11  
|||||:|||||:  
Db 851 EEEVPEELVEE 861

## RESULT 98

T08164  
dynein alpha heavy chain - Chlamydomonas reinhardtii (fragment)  
C;Species: Chlamydomonas reinhardtii  
C;Date: 21-May-1999 #sequence\_revision 21-May-1999 #text\_change 02-Feb-2001  
C;Accession: T08164  
R;Mitchell, D.R.; Brown, K.S. J. Cell Sci. 107, 635-644, 1994  
A;Title: Sequence analysis of the Chlamydomonas alpha and beta dynein heavy chain genes  
A;Reference number: Z16302; MUID:94274778; PMID:8006077  
A;Accession: T08164  
A;Status: preliminary; translated from GB/EMBL/DBJ  
A;Molecule type: DNA  
A;Residues: 1-2405 <MIT>  
A;Cross-references: EMBL:L26049; NID:g415679; PIDN:AAA57316.1; PID:g603079  
A;Experimental source: strain 21gr  
C;Genetics:  
A;Gene: ODA11  
A;Note: Intron positions not resolved (incomplete sequence)  
C;Superfamily: dynein heavy chain, ciliary  
C;Keywords: nucleotide binding; P-loop  
F:575-582/Region: nucleotide-binding motif A (P-loop)

Query Match 100.0%; Score 31; DB 2; Length 2405;  
Best Local Similarity 45.5%; Pred. No. 2.5e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEEVPPXXXXXX 11  
|||||:|||||:  
Db 352 EEEVPEGRPKA 362

## RESULT 99

JQ1661  
genome polyprotein - soybean mosaic virus (strain G2)  
N;Contains: 27K protein; 35K protein; 42K protein; 6K protein; coat protein; cylind  
C;Species: soybean mosaic virus, SBMV  
C;Date: 31-Dec-1993 #sequence\_revision 31-Dec-1993 #text\_change 19-Jan-2001  
C;Accession: JQ1661  
R;Javaram, C.; Hill, J.H.; Miller, W.A. J. Gen. Virol. 73, 2067-2077, 1992  
A;Title: Complete nucleotide sequences of two soybean mosaic virus strains differ

A;Reference number: JQ1661; MUID:92356085; PMID:1645142  
A;Accession: JQ1661  
A;Molecule type: genomic RNA  
A;Residues: 1-3066 <JAY>

A;Cross-references: GB:S42280; NID:g253297; PIDN:AAB22819.2; PID:g5705963  
C;Superfamily: tobacco etch virus genome polyprotein  
C;Keywords: ATP; coat protein; cylindrical inclusion protein; genome-linked protein  
F:1-308/Product: 35K protein #status predicted <PRI>  
F:309-765/Product: helper component-protein #status predicted <HCP>  
F:766-1164/Product: 42K protein #status predicted <PT2>  
F:1165-1798/Product: cylindrical inclusion protein #status predicted <CI>  
F:1249-1256/Region: nucleotide-binding motif A (P-loop)  
F:1334-1339/Region: nucleotide-binding motif B  
F:1338-1341/Region: DEXH motif  
F:1799-1852/Product: 6K protein #status predicted <PT3>  
F:1853-2041/Product: VPg protein #status predicted <VPg>  
F:2042-2284/Product: 27K protein #status predicted <PT4>  
F:2285-2801/Product: RNA-directed RNA polymerase #status predicted <POL>  
F:2802-3066/Product: coat protein #status predicted <COP>  
F:1915/Binding site: phosphoryl-RNA (Tyr) (covalent) #status predicted

Query Match 100.0%; Score 31; DB 1; Length 3066;  
Best Local Similarity 45.5%; Pred. No. 3.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Search completed: May 29, 2003, 16:59:11  
Job time : 40 secs

QY 1 EEVVPXXXXX 11  
|||||:|||||:  
Db 532 EEVVPSEGYK 542

## RESULT 100

JQ1662  
genome polyprotein - soybean mosaic virus (strain G7)  
N:Contains: 27K protein; 35K protein; 42K protein; 6K protein; coat protein; cylindrical  
C:Species: soybean mosaic virus, SBMV  
C:Date: 31-Dec-1993 #sequence\_revision 31-Dec-1993 #text\_change 19-Jan-2001  
C:Accession: JQ1662  
R:Jayaram, C.; Hill, J.H.; Miller, W.A.  
J. Gen. Virol. 73, 2067-2077, 1992  
A:Title: Complete nucleotide sequences of two soybean mosaic virus strains differentiated  
A:Reference number: JQ1661; MUID:92356085; PMID:1645142  
A:Accession: JQ1662  
A:Molecule type: genomic RNA  
A:Residues: 1-3066 <JAY>  
A:Cross-references: GB:S42280  
A:Note: the authors translated the codon TTG for residue 2358 as Phe  
C:Superfamily: tobacco etch virus genome polyprotein  
C:Keywords: ATP; coat protein; cylindrical inclusion protein; genome-linked protein; nucle  
F:1-308/Product: 35K protein #status predicted <PT1>  
F:309-765/Product: helper component-protein #status predicted <HCP>  
F:766-1164/Product: 42K protein #status predicted <PT2>  
F:1165-1798/Product: cylindrical inclusion protein #status predicted <CIP>  
F:1249-1256/Region: nucleotide-binding motif A (P-loop)  
F:1334-1339/Region: nucleotide-binding motif B  
F:1338-1341/Region: DEXH motif  
F:1799-1852/Product: 6K protein #status predicted <PT3>  
F:1853-2041/Product: VPg protein #status predicted <VPG>  
F:2042-2284/Product: 27K protein #status predicted <PT4>  
F:2285-2801/Product: RNA-directed RNA polymerase #status predicted <POL>  
F:2802-3066/Product: coat protein #status predicted <CP>  
F:1915/Binding site: phosphoryl-RNA (Tyr) (covalent) #status predicted

Query Match 100.0%; Score 31; DB 1; Length 3066;  
Best Local Similarity 45.5%; Pred. No. 3.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||:  
Db 532 EEVVPSEGYK 542

## RESULT 101

I38346  
elastic titin - human (fragment)  
C:Species: Homo sapiens (man)  
C:Date: 29-May-1998 #sequence\_revision 29-May-1998 #text\_change 21-Jul-2000  
C:Accession: I38346  
R:Labeit, S.; Kolmerer, B.  
Science 270, 293-296, 1995  
A:Title: Titins: giant proteins in charge of muscle ultrastructure and elasticity.  
A:Reference number: A57430; MUID:96026330; PMID:7569978  
A:Accession: I38346  
A:Status: preliminary; translated from GB/EMBL/DBJ  
A:Molecule type: mRNA  
A:Residues: 1-7962 <RES>  
A:Cross-references: EMBL:X90569; NID:g1017426; PIDN:CAA62189.1; PID:g1017427  
C:Genetics:  
A:Gene: GDB:TTN  
A:Cross-references: GDB:I27867; OMIM:188840  
A:Map position: 2q31-2q31

Query Match 100.0%; Score 31; DB 2; Length 7962;  
Best Local Similarity 45.5%; Pred. No. 9.4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||:  
Db 6605 EEVVPVPIVKV 6615



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 16:56:39 ; Search time 11 Seconds  
(without alignments)  
41.476 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpXXXXX 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 112892 seqs, 41476328 residues  
Total number of hits satisfying chosen parameters: 45

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 600 summaries

Database : SwissProt\_40:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	31	100.0	115	1 PSBW_PORPU	P51347 porphyra pu
2	31	100.0	121	1 TRNK_HUMAN	Q9uhf0 homo sapien
3	31	100.0	165	1 SPRT_ECOLI	P39902 escherichia
4	31	100.0	188	1 RL5_AQUAE	O67568 aquifex aeo
5	31	100.0	188	1 RL5_AQUAE	O9zi40 aquifex pyr
6	31	100.0	198	1 CAS1_CAVPO	P04656 cavia porce
7	31	100.0	240	1 US19_HCMVA	P09725 human cytom
8	31	100.0	274	1 RS2_AQUAE	O67809 aquifex aeo
9	31	100.0	304	1 ERA_BACHD	O9kd52 bacillus ha
10	31	100.0	305	1 PYRB_SERMA	P19910 serratia ma
11	31	100.0	309	1 PYRB_VIBS2	P96174 vibrio sp.
12	31	100.0	311	1 NIA_CHLVU	O8zb39 yersinia pe
13	31	100.0	318	1 YHAI_CRYPA	G01170 chlorella v
14	31	100.0	319	1 PTP1_YEAST	P10941 cryptonectr
15	31	100.0	335	1 MTBA_METBA	P25044 saccharomyc
16	31	100.0	338	1 RALB_TODPA	O30640 methanosarc
17	31	100.0	342	1 LPXB_AQUAE	P49193 todarodes p
18	31	100.0	356	1 DEOB_BACHD	O67420 aquifex aeo
19	31	100.0	393	1 DEOB_BACHD	O9kcn9 bacillus ha
20	31	100.0	394	1 DEOB_BACHD	P46353 bacillus su
21	31	100.0	399	1 NTG1_YEAST	P31378 saccharomyc
22	31	100.0	401	1 ALKB_PSEOL	P12691 pseudomonas
23	31	100.0	407	1 THII_STAAM	Q931p5 staphylococ
24	31	100.0	407	1 THII_STAAM	Q99te8 staphylococ
25	31	100.0	414	1 YHAI_CRYPA	O10523 mycobacteri
26	31	100.0	452	1 YCDT_ECOLI	P75908 escherichia
27	31	100.0	457	1 TRNK_HUMAN	O15231 homo sapien
28	31	100.0	486	1 TECL_YEAST	P18412 saccharomyc
29	31	100.0	680	1 DAPT_HUMAN	O15228 homo sapien
30	31	100.0	718	1 PLSB_CAEEL	Q22949 caenorhabdi
31	31	100.0	729	1 SYG_MOUSE	O9czd3 mus musculu
32	31	100.0	730	1 CATR_ASPNG	P55303 aspergillus
33	31	100.0	739	1 SYG_MOUSE	P41250 homo sapien

RESULT 1  
PSBW\_PORPU  
ID PSBW\_PORPU STANDARD; PRT; 115 AA.  
AC P51347;  
DT 01-OCT-1996 (Rel. 34, Created)  
DT 01-OCT-1996 (Rel. 34, Last sequence update)  
DT 15-JUL-1998 (Rel. 36, Last annotation update)  
DE Photosystem II reaction center W protein.  
PSBW.  
GN Porphyra purpurea.  
OG Chloroplast.  
OC Eukaryota; Rhodophyta; Bangiophyceae; Bangiales; Porphyra.  
OX NCBI\_TaxID=2787;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=Avonport;  
RA Reith M.E., Munnolland J.;  
RT "Complete nucleotide sequence of the Porphyra purpurea chloroplast genome."  
RT Plant Mol. Biol. Rep. 13:333-335(1995).  
RL FUNCTION: SUBUNIT OF THE WATER OXIDATION COMPLEX OF PHOTOSYSTEM II  
CC REACTION CENTER COMPLEX.  
CC -!- SIMILARITY: BELONGS TO THE PSBW FAMILY.  
CC  
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CC  
CC EMBL; U38804; AAC08233.1;  
DR Photosynthesis; Photosystem II; Thylakoid; Membrane; Chloroplast.  
KW SEQUENCE 115 AA; 12966 MW; B480F99CB15FA08C CRC64;  
SQ  
Query Match 100.0%; Score 31; DB 1; Length 115;  
Best Local Similarity 45.5%; Pred. No. 32;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 12 EEVVPDVLRLTR 22  
RESULT 2  
TRNK\_HUMAN  
ID TRNK\_HUMAN STANDARD; PRT; 121 AA.  
AC Q9UHFO;  
DT 16-OCT-2001 (Rel. 40, Created)  
DT 16-OCT-2001 (Rel. 40, Last sequence update)  
DT 16-OCT-2001 (Rel. 40, Last annotation update)  
DE Neurokinin B precursor (NKB) (Neuromedin K) (ZNEUROK1).  
GN TAC3.  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.  
 RN NCBI\_TaxID=9606;  
 RX [1]  
 RA SEQUENCE FROM N.A.  
 RP Sheppard P., Jelinek L., Whitmore T., Blumberg H., Lehner J.,  
 RL O'Hara P.,  
 RN Submitted (SEP-1999) to the EMBL/GenBank/DBJ databases.  
 [2]  
 RP SEQUENCE FROM N.A.  
 RC TISSUE=Placenta;  
 RX MEDLINE=20322570; PubMed=10866201;  
 RA Page N.M., Woods R.J., Gardiner S.M., Lomthasong K., Gladwell R.T.,  
 RL Butler D.J., Manyonda I.T., Lowry P.J.;  
 RN "Excessive placental neurokinin B secretion during the third trimester  
 causes pre-eclampsia."  
 [2]  
 RP Nature 405:797-800(2000).  
 CC -!- FUNCTION: TACHYKININS ARE ACTIVE PEPTIDES WHICH EXCITE NEURONS,  
 CC EVOKE BEHAVIORAL RESPONSES, ARE POTENT VASODILATORS AND  
 CC SECRETAGOGUES, AND CONTRACT (DIRECTLY OR INDIRECTLY) MANY SMOOTH  
 CC MUSCLES (BY SIMILARITY).  
 CC -!- SUBCELLULAR LOCATION: Secreted.  
 CC -!- DEVELOPMENTAL STAGE: In pregnancy, the expression of NK1 is  
 CC confined to the outer syncytiotrophoblast of the placenta, as  
 CC significant concentrations of NK1 can be detected in plasma as  
 CC early as week 9, and plasma concentrations of NK1 are grossly  
 CC elevated in pregnancy-induced hypertension and pre-eclampsia.  
 CC -!- SIMILARITY: BELONGS TO THE TACHYKININ FAMILY.  
 CC  
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 CC  
 DR EMBL; AF186112; AAF01430.1;  
 DR EMBL; AF216586; AAF76980.1;  
 DR Genbank; HGNC:11521; TAG3.  
 DR MTM; 162330.  
 DR InterPro; IPR003635; Neurokinin.  
 DR InterPro; IPR002040; Tachykinin.  
 DR ProDom; PD020370; Neurokinin; 1.  
 DR PROSITE; PS00267; TACHYKININ; 1.  
 KW Tachykinin; Neuropeptide; Cleavage on pair of basic residues;  
 KW Amidation; Signal.  
 FT SIGNAL 1 16 POTENTIAL.  
 FT PROPEP 17 78 BY SIMILARITY.  
 FT PEPTIDE 81 90 NEUROKININ B.  
 FT PROPEP 94 121 BY SIMILARITY.  
 FT MOD\_RES 90 90 AMIDATION (G-91 PROVIDE AMIDE GROUP) (BY  
 FT SIMILARITY).  
 SQ SEQUENCE 121 AA; 13438 MW; 14C9AFE2EE9EDEC4 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 121;  
 Best Local Similarity 45.5%; Pred. No. 34;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 28 EEVVPFGGRSK 38  
 RESULT 3  
 SPRT\_ECOLI STANDARD; PRT; 165 AA.  
 AC P39502;  
 DT 01-FEB-1995 (Rel. 31, Created)  
 DT 01-FEB-1995 (Rel. 31, Last sequence update)  
 DE 16-OCT-2001 (Rel. 40, Last annotation update)  
 DE Protein spRT.  
 GN SPRT OR B2944.  
 OS Escherichia coli.

OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;  
 OC Escherichia.  
 RN NCBI\_TaxID=562;  
 RX [1]  
 RA SEQUENCE FROM N.A.  
 RP Utsumi R., Suzuki T.;  
 RL Submitted (FEB-1996) to the EMBL/GenBank/DBJ databases.  
 [2]  
 RP SEQUENCE FROM N.A.  
 RC Roberts P.E.;  
 RX Thesis (1992), University of Cambridge, U.K.  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=K12 / MG1655;  
 RX MEDLINE=97426617; PubMed=9278503;  
 RA Blattner F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V.,  
 RL Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F.,  
 RN Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J.,  
 RA Mau B., Shao Y.;  
 RT "The complete genome sequence of Escherichia coli K-12."  
 RL Science 277:1233-1474 (1997).  
 [4]  
 RP SEQUENCE OF 70-165 FROM N.A.  
 RC STRAIN=K12 / W3110;  
 RX MEDLINE=94156871; PubMed=8113204;  
 RA Jekel M., Wackernagel W.;  
 RT "Location of the endA gene coding for endonuclease I on the physical  
 RT map of the Escherichia coli K-12 chromosome."  
 RL J. Bacteriol. 176:1550-1551(1994).  
 RN [5]  
 RP IDENTIFICATION.  
 RX MEDLINE=95075659; PubMed=7984428;  
 RA Borodovsky M., Rudd K.E., Koonin E.V.;  
 RT "Intrinsic and extrinsic approaches for detecting genes in a  
 RT bacterial genome."  
 RL Nucleic Acids Res. 22:4756-4767(1994).  
 CC -!- FUNCTION: INVOLVED IN BOLA GENE EXPRESSION AT THE STATIONARY  
 CC PHASE.  
 CC -!- SIMILARITY: STRONG, TO H. INFELDENZAE SPRT.  
 CC  
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 CC  
 DR EMBL; D83644; BAAL2021.1;  
 DR EMBL; U28377; AAA69111.1;  
 DR EMBL; AE000377; AAC75981.1;  
 DR EMBL; X65169; -; NOT\_ANNOTATED\_CDS.  
 DR EcoGene; EG12122; spRT.  
 DR InterPro; IPR000130; Zn\_MTPetdse.  
 DR PROSITE; PS00142; ZINC\_PROTEASE; UNKNOWN\_1.  
 KW Zinc; Complete proteome.  
 FT METAL 78 78 ZINC (CATALYTIC) (BY SIMILARITY).  
 FT ACT\_SITE 79 79 BY SIMILARITY.  
 FT METAL 82 82 ZINC (CATALYTIC) (BY SIMILARITY).  
 SQ SEQUENCE 165 AA; 19348 MW; F5E4A3992DD091B4 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 165;  
 Best Local Similarity 45.5%; Pred. No. 48;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 73 EEVVPHELAHL 83  
 RESULT 4  
 RL5\_AQUAE STANDARD; PRT; 188 AA.  
 ID RL5\_AQUAE

AC O67568;  
DT 15-DEC-1998 (Rel. 37, Created)  
DT 15-DEC-1998 (Rel. 37, Last sequence update)  
DT 16-OCT-2001 (Rel. 40, Last annotation update)  
DE 50S ribosomal protein L5.  
GN RPL5 OR AQL52  
OS Aquifex aeolicus.  
OC Bacteria; Aquificae; Aquificae (class); Aquificales; Aquificaceae;  
OC Aquifex.  
OX NCBI\_TaxID=63363;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=V55;  
RX MEDLINE=98196666; PubMed=9537320;  
RA Deckert G., Warren P.V., Gaasterland T., Young W.G., Lenox A.L., R.,  
RA Graham D.E., Overbeek R., Snead M.A., Keller M., Aujay M., Huber R.,  
RA Feldman R.A., Short J.M., Olson G.J., Swanson R.V.;  
RT "The complete genome of the hyperthermophilic bacterium Aquifex  
RT aeolicus";  
RL Nature 392:353-358(1998).  
CC -!- FUNCTION: THIS IS ONE OF 3 PROTEINS THAT MEDIATE THE ATTACHMENT OF  
CC THE 5S RNA INTO THE LARGE RIBOSOMAL SUBUNIT (BY SIMILARITY).  
CC -!- SIMILARITY: BELONGS TO THE L5P FAMILY OF RIBOSOMAL PROTEINS.  
CC -----  
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CC -----  
CC EMBL; AF040101; AAC07529.1;  
CC InterPro; IPR002132; Ribosomal\_L5.  
CC InterPro; IPR003236; Ribosomal\_L5\_mit.  
CC Pfam; PF00281; Ribosomal\_L5; 1.  
CC Pfam; PF00673; Ribosomal\_L5\_C; 1.  
CC ProDom; PD001076; Ribosomal\_L5; 1.  
CC ProDom; PD013434; Ribosomal\_L5\_mit; 1.  
CC PROSITE; PS00358; Ribosomal\_L5; 1.  
CC Ribosomal protein; rRNA-binding.  
KW Ribosomal protein; rRNA-binding.  
FT CONFLICT 182 188 GLPIRAM -> RTAHKGVYIKLLSGGNYAEKG (IN  
FT REF 1).  
SQ SEQUENCE 188 AA; 21385 MW; 38AF4246E2FC93E1 CRC64;  
  
Query Match 100.0%; Score 31; DB 1; Length 188;  
Best Local Similarity 45.5%; Pred. No. 56;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 18 EEVVPILQKFF 28  
  
RESULT 5  
ID RL5\_AQUYP STANDARD; PRT; 188 AA.  
AC Q92140;  
DT 30-MAY-2000 (Rel. 39, Created)  
DT 30-MAY-2000 (Rel. 39, Last sequence update)  
DT 15-JUN-2002 (Rel. 41, Last annotation update)  
DE 50S ribosomal protein L5.  
GN RPL5 OR RPL5.  
OS Aquifex pyrophilus.  
OC Bacteria; Aquificae; Aquificae (class); Aquificales; Aquificaceae;  
OC Aquifex.  
OX NCBI\_TaxID=2714;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=K05A;  
RA Bocchetta M., Sanangelantoni A.M., Cammarano P.;  
RL Submitted (DEC-1997) to the EMBL/GenBank/DBJ databases.  
RN [2]  
RP IDENTIFICATION OF PROBABLE FRAMESHIFT.  
RA Veuthey A.-L.;

RL Unpublished observations (MAR-2000).  
CC -!- FUNCTION: THIS IS ONE OF 3 PROTEINS THAT MEDIATE THE ATTACHMENT OF  
CC THE 5S RNA INTO THE LARGE RIBOSOMAL SUBUNIT (BY SIMILARITY).  
CC -!- SIMILARITY: BELONGS TO THE L5P FAMILY OF RIBOSOMAL PROTEINS.  
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CC -----  
CC EMBL; AF040101; AAC08795.1;  
CC InterPro; IPR002132; Ribosomal\_L5.  
CC InterPro; IPR003236; Ribosomal\_L5\_mit.  
CC Pfam; PF00281; Ribosomal\_L5; 1.  
CC Pfam; PF00673; Ribosomal\_L5\_C; 1.  
CC ProDom; PD001076; Ribosomal\_L5; 1.  
CC ProDom; PD013434; Ribosomal\_L5\_mit; 1.  
CC PROSITE; PS00358; Ribosomal\_L5; 1.  
CC Ribosomal protein; rRNA-binding.  
KW Ribosomal protein; rRNA-binding.  
FT CONFLICT 182 188 GLPIRAM -> RTAHKGVYIKLLSGGNYAEKG (IN  
FT REF 1).  
SQ SEQUENCE 188 AA; 21385 MW; 38AF4246E2FC93E1 CRC64;  
  
Query Match 100.0%; Score 31; DB 1; Length 188;  
Best Local Similarity 45.5%; Pred. No. 56;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 18 EEVVPILQKFF 28  
  
RESULT 6  
ID CASI\_CAVPO STANDARD; PRT; 198 AA.  
AC P04656;  
DT 13-AUG-1987 (Rel. 05, Created)  
DT 13-AUG-1987 (Rel. 05, Last sequence update)  
DT 01-OCT-1996 (Rel. 34, Last annotation update)  
DE Casein B precursor (Alpha-SI casein).  
OS Cavia porcellus (Guinea pig).  
OC Eukaryota; Metazoa; Chordata; Craniala; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Rodentia; Hystricognathi; Caviidae; Cavia.  
OX NCBI\_TaxID=10141;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=85022410; PubMed=6548375;  
RA Hall L., Laird J.E., Craig R.K.;  
RT "Nucleotide sequence determination of guinea-plg casein B mRNA  
RT reveals homology with bovine and rat alpha s1 caseins and  
RT conservation of the non-coding regions of the mRNA";  
RL Biochem. J. 222:561-570(1984).  
CC -!- FUNCTION: IMPORTANT ROLE IN THE CAPACITY OF MILK TO TRANSPORT  
CC CALCIUM PHOSPHATE.  
CC -!- SUBCELLULAR LOCATION: Extracellular.  
CC -!- TISSUE SPECIFICITY: MAMMARY GLAND; MILK.  
CC -!- SIMILARITY: BELONGS TO THE ALPHA-CASEIN FAMILY.  
CC -----  
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CC -----  
CC EMBL; X00938; CAA25452.1;  
CC InterPro; IPR001588; Casein.  
RN [2]  
RP IDENTIFICATION OF PROBABLE FRAMESHIFT.  
RA Veuthey A.-L.;

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DR PROSITE; PS00306; CASEIN_ALPHA_BETA; 1.
KW Milk; Phosphorylation; Signal.
FT SIGNAL 1 15
FT CHAIN 16 198
FT MOD_RES 34 34 CASEIN B.
FT MOD_RES 35 35 PHOSPHORYLATION (POTENTIAL).
FT MOD_RES 36 36 PHOSPHORYLATION (POTENTIAL).
FT MOD_RES 37 37 PHOSPHORYLATION (POTENTIAL).
FT MOD_RES 38 38 PHOSPHORYLATION (POTENTIAL).
FT MOD_RES 39 39 PHOSPHORYLATION (POTENTIAL).
FT MOD_RES 40 40 PHOSPHORYLATION (POTENTIAL).
FT MOD_RES 80 80 PHOSPHORYLATION (POTENTIAL).
FT MOD_RES 81 81 PHOSPHORYLATION (POTENTIAL).
FT MOD_RES 83 83 PHOSPHORYLATION (POTENTIAL).
FT MOD_RES 84 84 PHOSPHORYLATION (POTENTIAL).
FT MOD_RES 85 85 PHOSPHORYLATION (POTENTIAL).
SQ SEQUENCE 198 AA; 23140 MW; C63A72286A003EBF CRC64;

Query Match 100.0%; Score 31; DB 1; Length 198;
Best Local Similarity 45.5%; Pred. No. 59;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 86 EEVVPKNTQK 96

RESULT 7
US19_HCMVA STANDARD; PRT; 240 AA.
AC P09725;
DT 01-MAR-1989 (Rel. 10, Created)
DT 01-MAR-1989 (Rel. 10, Last sequence update)
DT 01-JUN-1994 (Rel. 29, Last annotation update)
DE Transmembrane protein HMLF4.
GN US19.
OS Human cytomegalovirus (strain AD169), and
OS Human cytomegalovirus (strain Towne).
OC Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
OC Betaherpesvirinae; Cytomegalovirus.
OX NCBI_TaxID=10360, 10363;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=AD169;
RX MEDLINE=87169717; PubMed=3031311;
RA Weston K., Barrell B.G.;
RT "Sequence of the short unique region, short repeats, and part of the
RT long repeats of human cytomegalovirus.";
RL J. Mol. Biol. 192:177-208(1986).
RN [2]
RP COMPLETE GENOME.
RC STRAIN=AD169;
RX MEDLINE=90269039; PubMed=2161319;
RA Chee M.S., Bankier A.T., Beck S., Bohni R., Brown C.M., Cerny R.,
RA Horsnell T., Hutchinson C.A. III, Kouzarides T., Martignetti J.A.,
RA Freddie E., Satchwell S.C., Tomlinson P., Weston K.M., Barrell B.G.;
RA "Analysis of the protein-coding content of the sequence of human
RT cytomegalovirus strain AD169.";
RL Curr. Top. Microbiol. Immunol. 154:125-169(1990).
RN [3]
RP SEQUENCE FROM N.A.
RC STRAIN=Towne;
RX MEDLINE=93188154; PubMed=8383226;
RA Guo Y.-W., Huang E.S.;
RT "Characterization of a structurally tricinonic gene of human
RT cytomegalovirus composed of U(s)18, U(s)19, and U(s)20.";
RL J. Virol. 67:2043-2054(1993).
CC -!- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN. CONTAINS UP TO 7
CC POTENTIAL TRANSMEMBRANE DOMAINS (PROBABLE).
CC -!- DEVELOPMENTAL STAGE: EXPRESSED 34 HOURS POST-INFECTION.
CC -!- SIMILARITY: BELONGS TO THE US12 FAMILY.
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DR EMBL; X17403; CAA35286.1; -
DR EMBL; X04650; CAB37111.1; -
DR EMBL; L04998; AAA45990.1; -
DR PIR; C27231; QQBEG3.
DR PIR; S09933; S09933.
DR PIR; B45678; B45678.
KW Transmembrane; Late protein.
SQ SEQUENCE 240 AA; 26422 MW; F5293843454BF8A5 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 240;
Best Local Similarity 45.5%; Pred. No. 73;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 12 EEVVPYLERUA 22

RESULT 8
RS2_AQUAE STANDARD; PRT; 274 AA.
AC O67809;
DT 30-MAY-2000 (Rel. 39, Created)
DT 30-MAY-2000 (Rel. 39, Last sequence update)
DT 16-OCT-2001 (Rel. 40, Last annotation update)
DE 30S ribosomal protein S2.
GN RPSB OR AQ_2007.
OS Aquifex aeolicus.
OC Bacteria; Aquificae; Aquificae (class); Aquificales; Aquificaceae;
OC Aquifex.
OX NCBI_TaxID=63363;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=VF5;
RX MEDLINE=98196666; PubMed=9537320;
RA Deckert G., Warren P.V., Gaasterland T., Young W.G., Lenox A.L.,
RA Graham D.E., Overbeek R., Shear M.A., Keller M., AuJay M., Huber R.,
RA Feldman R.A., Short J.M., Olson G.J., Swanson R.V.;
RT "The complete genome of the hyperthermophilic bacterium Aquifex
RT aeolicus.";
RL Nature 392:353-358(1998).
CC -!- SIMILARITY: BELONGS TO THE S2P FAMILY OF RIBOSOMAL PROTEINS.
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DR EMBL; AE000767; AAC07767.1; -
DR InterPro; IPR001865; Ribosomal_S2.
DR Pfam; PF00318; Ribosomal_S2; 1.
DR PRINTS; PR00395; RIBOSOMALS2.
DR TIGRFAMs; TIGR01011; rpsb_bact; 1.
DR PROSITE; PS00962; RIBOSOMAL_S2_1; 1.
DR PROSITE; PS00963; RIBOSOMAL_S2_2; FALSE_NEG.
KW Ribosomal protein; Complete proteome.
SQ SEQUENCE 274 AA; 31447 MW; 20A2903D25C2A649 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 274;
Best Local Similarity 45.5%; Pred. No. 85;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

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Db          232 EEVPTKRRP 242
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RESULT 9
ERA_BACHD
ID ERA_BACHD STANDARD; PRT; 304 AA.
AC Q9KDS2;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 16-OCT-2001 (Rel. 40, Last annotation update)
DE GTP-binding protein era homolog.
GN ERA OR BEX OR BH1367.
OS Bacillus halodurans.
OC Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus.
OX NCBI_TaxID=86665;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=C-125 / JCM 9153;
RX MEDLINE=20512582; PubMed=11058132;
RA Takami H., Nakasone K., Takaki Y., Maeno G., Sasaki R., Masui N.,
RA Fuji F., Hirama C., Nakamura Y., Ogasawara N., Kuhara S.,
RA Horikoshi K.;
RT "Complete genome sequence of the alkaliphilic bacterium Bacillus
RT halodurans and genomic sequence comparison with Bacillus subtilis.";
RL Nucleic Acids Res. 28:4317-4331(2000).
CC -!- FUNCTION: BINDS BOTH GDP AND GTP, HAS AN INTRINSIC GTPASE ACTIVITY
CC AND IS ESSENTIAL FOR CELL GROWTH (BY SIMILARITY).
CC -!- SIMILARITY: BELONGS TO THE ERA/TRME FAMILY OF GTP-BINDING
CC PROTEINS. ERA SUBFAMILY.
CC -!- SIMILARITY: CONTAINS 1 KH TYPE-2 DOMAIN.
CC -----
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CC -----
CC EMBL; AP001511; BAB05086.1; -
CC HSP; P06616; LEGA.
CC InterPro; IPR005289; GTP-binding_dom.
CC InterPro; IPR000765; GTP_OBG.
CC InterPro; IPR004044; KH_TYPE_2.
CC InterPro; IPR004087; KH_dom.
CC InterPro; IPR005225; Small_GTP.
CC Pfam; PF00013; KH-domain; 1.
CC PRINTS; PR00326; GTP_OBG.
CC TIGRFAMs; TIGR00231; small_gtp; 1.
CC TIGRFAMs; TIGR00436; era; 1.
CC TIGRFAMs; TIGR00650; MG442; 1.
CC PROSITE; PS50823; KH_TYPE_2; 1.
CC GTP-binding: RNA-binding; Complete proteome.
KW NP_BIND 17 24 GTP (POTENTIAL).
FT NP_BIND 64 68 GTP (POTENTIAL).
FT NP_BIND 126 129 GTP (POTENTIAL).
FT DOMAIN 199 285 KH_TYPE-2.
SQ SEQUENCE 304 AA; 34636 MW; 01D465A8A087E379 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 304;
Best Local Similarity 45.5%; Pred. No. 95;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
|||||:
Db 150 EEVVPVSALOG 160

RESULT 10
PYRB_SERMA
ID PYRB_SERMA STANDARD; PRT; 305 AA.
AC P19910;

Query Match 100.0%; Score 31; DB 1; Length 305;
Best Local Similarity 45.5%; Pred. No. 95;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
|||||:
Db 214 EEVPELDILY 224

RESULT 11
PYRB_VIBS2
ID PYRB_VIBS2 STANDARD; PRT; 309 AA.
AC P96174;
DT 15-JUL-1998 (Rel. 36, Created)
DT 30-MAY-2000 (Rel. 39, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Aspartate carbamoyltransferase catalytic chain (EC 2.1.3.2) (Aspartate
DE transcarbamylase) (ATCase).
GN PYRB.
OS Vibrio sp. (strain 2693).
OC Bacteria; Proteobacteria; gamma subdivision; Vibrionaceae; Vibrio.
OX NCBI_TaxID=79682;
RN [1]
RP SEQUENCE FROM N.A.
RA van de Casteele M., Liang Z., Feng Z.Y., Legrain C., Glansdorff N.;
RL Submitted (DEC-1996) to the EMBL/GenBank/DBJ databases.

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CC CC -!- CATALYTIC ACTIVITY: Carbamoyl phosphate + L-aspartate = phosphate
CC CC + N-carbamoyl-L-aspartate.
CC CC -!- PATHWAY: Pyrimidine biosynthesis; second step.
CC CC -!- SUBUNIT: CONTAINS SIX CATALYTIC AND SIX REGULATORY CHAINS (BY
CC CC SIMILARITY).
CC CC -!- SIMILARITY: BELONGS TO THE ATCASES/OTCASES FAMILY.
CC CC -----
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CC CC or send an email to license@isb-sib.ch).
CC CC -----
CC CC EMBL; Y09786; CRA70923.1; -
CC CC HSSP; P00479; 3CSU.
CC CC InterPro; IPR002029; Asp/Orn_Cotransf.
CC CC InterPro; IPR002082; Asp_carbmltransf.
CC CC Pfam; PF00185; OTCace; 1.
CC CC Pfam; PF02729; OTCace.N; 1.
CC CC PRINTS; PR00100; AOTCASE.
CC CC TIGRfams; TIGR00670; asp_carb_tr; 1.
CC CC PROSITE; PS00097; CARBAMOYLTRANSFERASE; 1.
CC CC Pyrimidine biosynthesis; Transferase.
CC CC INIT-MET 0 BY SIMILARITY.
CC CC SEQUENCE 309 AA; 34288 MW; A3A30763878EE1BF CRC64;
CC CC
CC CC Query Match 100.0%; Score 31; DB 1; Length 309;
CC CC Best Local Similarity 45.5%; Pred. No. 97;
CC CC Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
CC CC
CC CC QY 1 EEVVPXXXXXX 11
CC CC |||||:||||:
CC CC Db 215 EEVVPEDVLY 225
CC CC
CC CC RESULT 12
CC CC PYRB_YERPE
CC CC ID PYRB_YERPE STANDARD; PRT; 311 AA.
CC CC Q82B33;
CC CC DT 15-JUN-2002 (Rel. 41, Created)
CC CC DT 15-JUN-2002 (Rel. 41, Last sequence update)
CC CC DT 15-JUN-2002 (Rel. 41, Last annotation update)
CC CC DE Aspartate carbamoyltransferase (EC 2.1.3.2) (Aspartate
CC CC transcarbamylase) (ATCase).
CC CC GN PYRB OR YP03588.
CC CC OS Yersinia pestis.
CC CC OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
CC CC Yersinia.
CC CC OX NCBI_TaxID=632;
CC CC RN [1]
CC CC RP SEQUENCE FROM N.A.
CC CC RC STRAIN=CO-92 / Biovar Orientalis;
CC CC RX MEDLINE=21470413; PubMed=11586360;
CC CC RA Parkhill J., Wren B.W., Thomson N.R., Titball R.W., Holden M.T.G.,
CC CC RA Prentice M.B., Sebaihia M., James K.D., Churcher C., Mungall K.L.,
CC CC RA Baker S., Basham D., Bentley S.D., Brooks K., Cerdeno-Tarraga A.M.,
CC CC RA Chillingworth T., Cronin A., Davies R.M., Davis P., Dougan G.,
CC CC RA Feltwell T., Hamlin N., Holroyd S., Jagers K., Kariyasev A.V.,
CC CC RA Leather S., Moulé S., Oyston P.C.F., Quail M., Rutherford K.,
CC CC RA Simmonds M., Skelton J., Stevens K., Whitehead S., Barrell B.G.;
CC CC RT "Genome sequence of Yersinia pestis, the causative agent of plague.";
CC CC RN Nature 413:523-527(2001).
CC CC -!- CATALYTIC ACTIVITY: Carbamoyl phosphate + L-aspartate = phosphate
CC CC + N-carbamoyl-L-aspartate.
CC CC -!- PATHWAY: Pyrimidine biosynthesis; second step.
CC CC -!- SUBUNIT: HETERODIMER (2C3:3R2) OF SIX CATALYTIC PYRB CHAINS
CC CC ORGANIZED AS TWO TRIMERS (C3), AND SIX REGULATORY PYRI CHAINS
CC CC ORGANIZED AS THREE DIMERS (R2).
CC CC -!- SIMILARITY: BELONGS TO THE ATCASES/OTCASES FAMILY.
CC CC -----
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CC CC or send an email to license@isb-sib.ch).
CC CC -----
CC CC EMBL; AJ414157; CAC92816.1; -
CC CC InterPro; IPR002029; Asp/Orn_Cotransf.
CC CC InterPro; IPR002082; Asp_carbmltransf.
CC CC Pfam; PF00185; OTCace; 1.
CC CC Pfam; PF02729; OTCace.N; 1.
CC CC PRINTS; PR00100; AOTCASE.
CC CC TIGRfams; TIGR00670; asp_carb_tr; 1.
CC CC PROSITE; PS00097; CARBAMOYLTRANSFERASE; 1.
CC CC Pyrimidine biosynthesis; Transferase. Complete proteome.
CC CC KW Pyrimidine biosynthesis; Transferase.
CC CC SQ SEQUENCE 311 AA; 34559 MW; FE76627210B30444 CRC64;
CC CC
CC CC Query Match 100.0%; Score 31; DB 1; Length 311;
CC CC Best Local Similarity 45.5%; Pred. No. 97;
CC CC Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
CC CC
CC CC QY 1 EEVVPXXXXXX 11
CC CC |||||:||||:
CC CC Db 217 EEVVPEDVLY 227
CC CC
CC CC RESULT 13
CC CC NIA_CHLVU
CC CC ID NIA_CHLVU STANDARD; PRT; 318 AA.
CC CC Q01170;
CC CC DT 01-APR-1993 (Rel. 25, Created)
CC CC DT 01-APR-1993 (Rel. 25, Last sequence update)
CC CC DT 15-JUL-1998 (Rel. 36, Last annotation update)
CC CC DE Nitrate reductase (EC 1.6.6.1) (NR) (Fragment).
CC CC OS Chlorella vulgaris.
CC CC OC Eukaryota; Viridiplantae; Chlorophyta; Trebouxiophyceae; Chlorellales;
CC CC OC Chlorellaceae; Chlorella.
CC CC OX NCBI_TaxID=3077;
CC CC RN [1]
CC CC RP SEQUENCE FROM N.A.
CC CC RX MEDLINE=91354204; PubMed=1883330;
CC CC RA Cannons A.C., Iida N., Solomonson L.P.;
CC CC RT "Expression of a cDNA clone encoding the haem-binding domain of
CC CC Chlorella nitrate reductase."
CC CC RL Biochem. J. 278:203-209(1991).
CC CC -!- FUNCTION: NITRATE REDUCTASE IS A KEY ENZYME INVOLVED IN THE FIRST
CC CC STEP OF NITRATE ASSIMILATION IN PLANTS, FUNGI AND BACTERIA.
CC CC -!- CATALYTIC ACTIVITY: NADH + nitrate = NAD(+) + nitrite + H(2)O.
CC CC -!- COFACTOR: EACH SUBUNIT OF THE ENZYME CONTAINS 1 EQUIVALENT OF FAD,
CC CC HEME IRON, AND MOLYBDENUM-PTERIN AS PROSTHETIC GROUPS. THE HEME
CC CC GROUP IS CALLED CYTOCHROME B-557.
CC CC -!- SUBUNIT: HOMODIMER.
CC CC -!- SIMILARITY: TO EUKARYOTIC MOLYBDOPTERIN OXIDOREDUCTASES IN THE
CC CC N-TERMINAL DOMAIN.
CC CC -!- SIMILARITY: CONTAINS 1 CYTOCHROME B5 FAMILY, HEME-BINDING DOMAIN.
CC CC -!- SIMILARITY: TO FAD/NAD-BINDING CYTOCHROME REDUCTASES IN THE
CC CC C-TERMINAL DOMAIN.
CC CC -----
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CC CC or send an email to license@isb-sib.ch).
CC CC -----
CC CC EMBL; X56771; CAA40090.1; -
CC CC PIR; S17197; S17197.
CC CC HSSP; P04166; IBSM.
CC CC InterPro; IPR001199; Cyt_B5.
CC CC InterPro; IPR000572; Euk_Mb_Oxred.
CC CC InterPro; IPR005066; Mo-co_dimer.

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DT 15-JUN-2002 (Rel. 41, Created)  
DT 15-JUN-2002 (Rel. 41, Last sequence update)  
DT 15-JUN-2002 (Rel. 41, Last annotation update)  
DE Methylcobamide:CoM methyltransferase mtBA (PC 2.1.1.-)  
DE (Methylcobamide:CoM methyltransferase II isozyme A) (MT2-A).  
GN MTBA OR CMTA.  
OS Methanosarcina barkeri.  
OC Archaea; Euryarchaeota; Methanococci; Methanosarcinales;  
OC Methanosarcinaceae; Methanosarcina.  
OX NCBI\_TaxID=2208;  
RN [1]  
RP SEQUENCE FROM N.A., AND CHARACTERIZATION.  
RC STRAIN=NIH;  
RX MEDLINE=96324952; PubMed=8702528;  
RA Leclerc G.M., Grahame D.A.;  
RT "Methylcobamide:coenzyme M methyltransferase isozymes from  
RT Methanosarcina barkeri: Physicochemical characterization, cloning,  
RT sequence analysis, and heterologous gene expression.";  
RL J. Biol. Chem. 271:18725-18731(1996).  
RN [2]  
RP SEQUENCE FROM N.A.  
RC STRAIN=MS / DSM 800;  
RX MEDLINE=98317284; PubMed=9642198;  
RA Burke S.A., Lo S.L., Krzycki J.A.;  
RT "clustered genes encoding the methyltransferases of methanogenesis  
RT from monomethylamine.";  
RL J. Bacteriol. 180:3432-3440(1998).  
RN [3]  
RP SEQUENCE OF 1-24, AND CHARACTERIZATION.  
RC STRAIN=MS / DSM 800;  
RX MEDLINE=95362668; PubMed=7635826;  
RA Burke S.A., Krzycki J.A.;  
RT "Involvement of the 'A' isozyme of methyltransferase II and the  
RT 29-kilodalton corrinoid protein in methanogenesis from  
RT monomethylamine.";  
RL J. Bacteriol. 177:4410-4416(1995).  
RN [4]  
RP CHARACTERIZATION.  
RX PubMed=8617801;  
RA Ferguson D.J. Jr., Krzycki J.A., Grahame D.A.;  
RT "Specific roles of methylcobamide:coenzyme M methyltransferase  
RT isozymes in metabolism of methanol and methylamines in Methanosarcina  
RT barkeri.";  
RL J. Biol. Chem. 271:5189-5194(1996).  
RN [5]  
RP CHARACTERIZATION.  
RC STRAIN=MS / DSM 800;  
RX MEDLINE=97158682; PubMed=9006042;  
RA Ferguson D.J. Jr., Krzycki J.A.;  
RT "Reconstitution of trimethylamine-dependent coenzyme M methylation  
RT with the trimethylamine corrinoid protein and the isozymes of  
RT methyltransferase II from Methanosarcina barkeri.";  
RL J. Bacteriol. 179:846-852(1997).  
RN [6]  
RP CHARACTERIZATION.  
RC STRAIN=MS / DSM 800;  
RX MEDLINE=97341199; PubMed=9195968;  
RA Burke S.A., Krzycki J.A.;  
RT "Reconstitution of monomethylamine:coenzyme M methyl transfer with a  
RT corrinoid protein and two methyltransferases purified from  
RT Methanosarcina barkeri.";  
RL J. Biol. Chem. 272:16570-16577(1997).  
RN [7]  
RP CHARACTERIZATION.  
RC STRAIN=MS / DSM 800;  
RX MEDLINE=20435871; PubMed=10852929;  
RA Ferguson D.J. Jr., Gorlatova N., Grahame D.A., Krzycki J.A.;  
RT "Reconstitution of dimethylamine:coenzyme M methyl transfer with a  
RT discrete corrinoid protein and two methyltransferases purified from  
RT Methanosarcina barkeri.";  
RL J. Biol. Chem. 275:29053-29060(2000).  
CC -1- FUNCTION: Catalyzes the transfer of the methyl group from the  
CC methylated corrinoid cofactor of mtmC, mtbC and mtTC to coenzyme

CC M.  
CC -1- COFACTOR: Zinc.  
CC -1- ENZYME REGULATION: Inhibited by EDTA and EGTA.  
CC -1- PATHWAY: Methanogenesis from mono-, di- and trimethylamines.  
CC -1- SIMILARITY: BELONGS TO THE UROPORPHYRINOGEN DECARBOXYLASE FAMILY.  
CC MTBA/MTAA SUBFAMILY.  
CC -----  
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CC -----  
CC EMBL: U38919; AAC44214.1; -  
CC EMBL: AF013713; AAC38632.1; -  
CC InterPro: IPR000257; Uro-decarbxylys.  
CC Pfam: PF01206; URO-D; 1.  
CC Transferase; Methyltransferase; Methanogenesis; Zinc.  
CC INIT\_MET 0  
CC VARIAT 225 225 V -> A (IN STRAIN NIH).  
CC VARIAT 248 248 G -> E (IN STRAIN NIH).  
CC SEQUENCE 338 AA; 36533 MW; 6294097F98A30A51 CRC64;  
Query Match 100.0%; Score 31; DB 1; Length 338;  
Best Local Similarity 45.5%; Pred. No. 1.1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 167 EEVVPALLDFC 177  
RESULT 17  
RALB\_TODPA STANDARD; PRT; 342 AA.  
ID RALB\_TODPA  
AC P49193;  
DT 01-FEB-1996 (Rel. 33, Created)  
DT 01-FEB-1996 (Rel. 33, Last sequence update)  
DT 15-JUN-2002 (Rel. 41, Last annotation update)  
DE Retinal-binding protein (RALBP).  
OS Todarodes pacificus (Japanese flying squid).  
OC Eukaryota; Metazoa; Mollusca; Cephalopoda; Coleoidea; Teuthoidea;  
OC Oegopsida; Ommastrephidae; Todarodes.  
OX NCBI\_TaxID=6637;  
RN [1]  
RP SEQUENCE FROM N.A., AND PARTIAL SEQUENCE.  
RC TISSUE=Eye;  
RX MEDLINE=94148895; PubMed=8106428;  
RA Ozaki K., Terakita A., Ozaki M., Hara R., Hara T., Hara-Nishimura I.,  
RA Mori H., Nishimura M.;  
RT "Molecular characterization and functional expression of squid  
RT retinal-binding protein. A novel species of hydrophobic  
RT ligand-binding protein".  
RL J. Biol. Chem. 269:3838-3845(1994).  
CC -1- FUNCTION: SHUTTLES 11-CIS- AND ALL-TRANS-RETINALS BETWEEN  
CC RHODOPSIN AND RETINOCHROME AND REGENERATES THE PHOTOPRODUCTS OF  
CC BOTH PIGMENTS. ALSO BINDS WEAKLY TO RETINOL.  
CC -1- TISSUE SPECIFICITY: OUTER AND INNER SEGMENTS OF PHOTORECEPTOR  
CC CELLS  
CC -1- SIMILARITY: CONTAINS 1 CRAL-TRIO DOMAIN.  
CC -----  
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CC -----  
CC EMBL: S68871; AAB29891.1; -  
CC InterPro: IPR001251; CRAL\_TRIO.



DR Pfam: PF00650; CRAL-TRIO; 1.  
DR SMART; SM00516; SEC14; 1.  
DR PROSITE; PS00191; CRAL-TRIO; 1.  
KW Vision; Transport; Acetylation.  
FT INIT\_MET 0 0  
FT DOMAIN 17 190 CRAL-TRIO.  
FT MOD\_RES 1 1 ACETYLTATION.  
SQ SEQUENCE 342 AA; 39069 MW; A79CF88F61FFA79A CRC64;  
  
Query Match 100.0%; Score 31; DB 1; Length 342;  
Best Local Similarity 45.5%; Pred. No. 1.1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXX 11  
DB 266 EEVVPRTDC 276  
|||||:|||||  
  
RESULT 18  
LPXB\_AQUAE STANDARD; PRT; 356 AA.  
AC 067420;  
DT 16-OCT-2001 (Rel. 40, Created)  
DT 16-OCT-2001 (Rel. 40, Last sequence update)  
DT 15-JUN-2002 (Rel. 41, Last annotation update)  
DE Lipid-A-disaccharide synthase (EC 2.4.1.182).  
GN LPXB OR AQ\_1427.  
OS Aquifex aeolicus.  
OC Bacteria; Aquificae; Aquificae (class); Aquificales; Aquificaceae;  
OC Aquifex.  
OX NCBI\_TaxID=63363;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=VF5;  
RX MEDLINE=98196666; PubMed=9537320;  
RA Deckert G., Warren P.V., Gaasterland T., Young W.G., Lenox A.L.,  
RA Graham D.E., Overbeek R., Snead M.A., Keller M., Aujay M., Huber R.,  
RA Feldman R.A., Short J.M., Olson G.J., Swanson R.V.;  
RT "The complete genome of the hyperthermophilic bacterium Aquifex  
aeolicus";  
RL Nature 392:353-358(1998).  
CC -|- FUNCTION: CONDENSATION OF UDP-2,3-DIACYLGLUCOSAMINE AND  
CC 2,3-DIACYLGLUCOSAMINE-1-PHOSPHATE TO FORM LIPID A DISACCHARIDE,  
CC A PRECURSOR OF LIPID A, A PHOSPHORYLATED GLYCOLIPID THAT ANCHORS  
CC THE LIPOPOLYSACCHARIDE TO THE OUTER MEMBRANE OF THE CELL  
CC (BY SIMILARITY).  
CC -|- CATALYTIC ACTIVITY: UDP-2,3-bis(3-hydroxytetradecanoyl)glucosamine  
CC + 2,3-bis(3-hydroxytetradecanoyl)-beta-D-glucosaminyl 1-phosphate  
CC = UDP + 2,3-bis(3-hydroxytetradecanoyl)-D-glucosaminyl 1,6-beta-D-  
CC 2,3-bis(3-hydroxytetradecanoyl)-beta-D-glucosaminyl 1-phosphate.  
CC -|- PATHWAY: Lipid A biosynthesis.  
CC -|- SIMILARITY: BELONGS TO THE LPXB FAMILY.  
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-----  
DR EMBL: AE000740; AAC07386.1; -.  
DR InterPro: IPR003835; LpxB.  
DR Pfam: PF02684; LpxB; 1.  
DR TIGRfams: TIGR00215; lpxB; 1.  
KW Transferase; Glycosyltransferase; Lipid A biosynthesis;  
KW Lipid synthesis; Complete proteome.  
SQ SEQUENCE 356 AA; 41300 MW; 1B4CFBA5F409CD68 CRC64;  
  
Query Match 100.0%; Score 31; DB 1; Length 356;  
Best Local Similarity 45.5%; Pred. No. 1.1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
DB 300 EEVPEFIQKS 310  
|||||:|||||  
  
RESULT 19  
DEOB\_BACHD STANDARD; PRT; 393 AA.  
AC 09KCN9;  
DT 15-JUN-2002 (Rel. 41, Created)  
DT 15-JUN-2002 (Rel. 41, Last sequence update)  
DT 15-JUN-2002 (Rel. 41, Last annotation update)  
DE Phosphopentomutase (EC 5.4.2.7) (Phosphodeoxyribomutase).  
GN DRM OR BH1530.  
OS Bacillus halodurans.  
OC Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus.  
OX NCBI\_TaxID=86665;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=C-125 / JCM 9153;  
RX MEDLINE=20512582; PubMed=11058132;  
RA Takami H., Nakasone K., Takaki Y., Maeno G., Sasaki R., Masui N.,  
RA Fuji F., Hirama C., Nakamura Y., Ogasawara N., Kuhara S.,  
RA Horikoshi K.;  
RT "Complete genome sequence of the alkaliphilic bacterium Bacillus  
halodurans and genomic sequence comparison with Bacillus subtilis";  
RL Nucleic Acids Res. 28:4317-4331(2000)  
CC -|- CATALYTIC ACTIVITY: D-ribose 1-phosphate -> D-ribose 5-phosphate.  
CC -|- CATALYTIC ACTIVITY: 2-deoxy-D-ribose 1-phosphate -> 2-deoxy-  
CC D-ribose 5-phosphate.  
CC -|- PATHWAY: Purine nucleoside salvage.  
CC -|- SIMILARITY: BELONGS TO THE PHOSPHOPENTOMUTASE FAMILY.  
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-----  
DR EMBL: AP001512; BAB05249.1; -.  
DR InterPro: IPR002599; Metalloenzyme.  
DR Pfam: PF01676; Metalloenzyme; 1.  
DR ProDom: PD004704; Metalloenzyme; 1.  
KW Isomerase; Complete proteome.  
SQ SEQUENCE 393 AA; 43589 MW; 9CA37EDACF8E544A CRC64;  
  
Query Match 100.0%; Score 31; DB 1; Length 393;  
Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXX 11  
DB 167 EEVVPLELYD 177  
|||||:|||||  
  
RESULT 20  
DEOB\_BACSU STANDARD; PRT; 394 AA.  
AC P46353;  
DT 01-NOV-1995 (Rel. 32, Created)  
DT 15-JUN-2002 (Rel. 41, Last sequence update)  
DT 15-JUN-2002 (Rel. 41, Last annotation update)  
DE Phosphopentomutase (EC 5.4.2.7) (Phosphodeoxyribomutase).  
GN DRM.  
OS Bacillus subtilis.  
OC Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus.  
OX NCBI\_TaxID=1423;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=20005610; PubMed=10537218;

RA Schuch R., Garibian A., Saxild H.H., Piggot P.J., Nygaard P.;  
 RT "Nucleosides as a carbon source in *Bacillus subtilis*: characterization  
 of the *drm-pupG* operon.";  
 RL Microbiology 145:2957-2966(1999).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=168 / JH642;  
 RX MEDLINE=97124195; PubMed=8969508;  
 RA Mizuno M., Masuda S., Takemaru K.-I., Hosono S., Sato T., Takeuchi M.,  
 RA Kobayashi Y.;  
 RA "Systematic sequencing of the 283 kb 210 degrees-232 degrees region of  
 the *Bacillus subtilis* genome containing the skin element and many  
 sporulation genes.";  
 RL Microbiology 142:3103-3111(1996).  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=168;  
 RX MEDLINE=98044033; PubMed=9384377;  
 RA Kunst F., Ogasawara N., Moszer I., Albertini A.M., Alloni G.,  
 RA Azevedo V., Bertero M.G., Bessieres P., Bolotin A., Borchert S.,  
 RA Boriss R., Boursier L., Brans A., Braun M., Brignell S.C., Bron S.,  
 RA Brouillet S., Bruschi C.V., Caldwell B., Capuano V., Carter N.M.,  
 RA Choi S.K., Codani J.J., Conerton I.F., Cummings N.J., Daniel R.A.,  
 RA Denizot F., Devine K.M., Dusterhoft A., Ehrlich S.D., Emerson P.T.,  
 RA Entian K.D., Errington J., Fabret C., Ferrari E., Foulger D.,  
 RA Fritz C., Fujita M., Fujita Y., Fuma S., Galizzi A., Galleron N.,  
 RA Ghim S.Y., Glaser P., Goffeau A., Golightly E.J., Grandi G.,  
 RA Giuseppe G., Guy B.J., Haga K., Halech J., Harwood C.R., Henaut A.,  
 RA Hilbert H., Holsappel S., Hosono S., Hulio M.F., Itaya M., Jones L.,  
 RA Joris B., Karamata D., Kasahara Y., Klaerr-Balchard M., Klein C.,  
 RA Kobayashi Y., Koetter P., Koningsstein G., Krogh S., Kumano M.,  
 RA Kurita K., Lapidus A., Lardinois S., Lauber J., Lazarevic V.,  
 RA Lee S.M., Levine A., Liu H., Masuda S., Maul C., Medigue C.,  
 RA Medina N., Mellado R.P., Mizuno M., Moesti D., Nakai S., Noback M.,  
 RA Noone D., O'Reilly M., Ogawa K., Ogiwara A., Oudega B., Park S.H.,  
 RA Parro V., Pohl T.M., Portetelle D., Porwollik S., Prescott A.M.,  
 RA Presecan E., Pujic P., Purnelle B., Rapoport G., Rey M., Reynolds S.,  
 RA Rieger M., Rivolta C., Roche E., Roche B., Rose M., Sadaie Y.,  
 RA Sato T., Scanlan E., Schleich S., Schroeter R., Scoffone F.,  
 RA Sekiguchi J., Sekowska A., Seror S.J., Serron P., Shin B.S., Soldo B.,  
 RA Sorokin A., Tacconi E., Takagi T., Takahashi H., Takemaru K.,  
 RA Takeuchi M., Tamakoshi A., Tanaka T., Terpstra P., Tognoni A.,  
 RA Tosato V., Uchiyama S., Vandenbol M., Vannier F., Vassarotti A.,  
 RA Viari A., Wambutt R., Wedler E., Wedler H., Weitzenecker T.,  
 RA Winters P., Wipat A., Yamamoto H., Yamane K., Yasumoto K., Yata K.,  
 RA Yoshida K., Yoshikawa H.F., Zumbstein E., Yoshikawa H., Danchin A.;  
 RT "The complete genome sequence of the Gram-positive bacterium *Bacillus*  
*subtilis*.";  
 RL Nature 390:249-256(1997).  
 CC -1- CATALYTIC ACTIVITY: D-ribose 1-phosphate -> D-ribose 5-phosphate.  
 CC -1- CATALYTIC ACTIVITY: 2-deoxy-D-ribose 1-phosphate -> 2-deoxy-  
 D-ribose 5-phosphate.  
 CC -1- PATHWAY: Purine nucleoside salvage.  
 CC -1- SIMILARITY: BELONGS TO THE PHOSPHOTRANSFERASE FAMILY.  
 CC -----  
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 CC -----  
 CC EMBL; U32685; AAA74433.1;  
 CC EMBL; D84432; BAA12650.1;  
 CC EMBL; Z99116; CAB14282.1;  
 CC Subtilist; BG11331; *drm*.  
 CC InterPro; IPR002599; Metalloenzyme.  
 CC Pfam; PF01676; Metalloenzyme; 1.  
 CC ProDom; PD004704; Metalloenzyme; 1.  
 CC Isomerase; Complete proteome.  
 CC -----  
 CC CONFLICT 78 78 L -> M (IN REF. 1).  
 CC CONFLICT 207 207 Q -> QPK (IN REF. 1).

FT CONFLICT 316 316 G -> E (IN REF. 1).  
 SQ SEQUENCE 394 AA; 43929 MW; 390E7C9A1E4B524D CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 394;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db 167 EEVVPLEELR 177  
 |||||:|||||  
 RESULT 21  
 NTGL\_YEAST  
 ID NTGL\_YEAST STANDARD; PRT; 399 AA.  
 AC P31378;  
 DT 01-JUL-1993 (Rel. 26, Created)  
 DT 01-JUL-1993 (Rel. 26, Last sequence update)  
 DT 16-OCT-2001 (Rel. 40, Last annotation update)  
 DE DNA base excision repair N-glycosylase 1, mitochondrial precursor.  
 GN NTG1 OR YAL015C OR FUN33.  
 OS Saccharomyces cerevisiae (Baker's yeast).  
 GN Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;  
 OC Saccharomycetales; Saccharomycetaceae; Saccharomycetes.  
 OX NCBI\_TaxID=4932;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=S288C / AB972;  
 RX MEDLINE=93209532; PubMed=8458570;  
 RA Ouellette B.F.F., Clark M.W., Keng T., Storms R.K., Zhong W.W.,  
 RA Zeng B., Fortin N., Delaney S., Barton A.B., Kaback D.B., Bussey H.;  
 RT "Sequencing of chromosome I from *Saccharomyces cerevisiae*: analysis  
 of a 32 kb region between the *LTE1* and *SP07* genes.";  
 RL Genome 36:32-42(1993).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=S288C / AB972;  
 RX MEDLINE=94193531; PubMed=8144453;  
 RA Barton A.B., Kaback D.B.;  
 RT "Molecular cloning of chromosome I DNA from *Saccharomyces cerevisiae*:  
 analysis of the genes in the *FUN38*-*MAK16*-*SP07* region.";  
 RL J. Bacteriol. 176:1872-1880(1994).  
 RN [3]  
 RP CHARACTERIZATION.  
 RX MEDLINE=99400469; PubMed=10471279;  
 RA You H.J., Swanson R.L., Harrington C., Corbett A.H.,  
 RA Jinks-Robertson S., Senturker S., Wallace S.S., Boiteux S.,  
 RA Dizdareoglu M., Doetsch P.W.;  
 RT "Saccharomyces cerevisiae Ntg1p and Ntg2p: broad specificity  
 N-glycosylases for the repair of oxidative DNA damage in the nucleus  
 and mitochondria.";  
 RL Biochemistry 38:11298-11306(1999).  
 CC -1- FUNCTION: EXCISION REPAIR N-GLYCOSYLASE INVOLVED IN THE REPAIR OF  
 DNA BASE DAMAGE IN THE MITOCHONDRIA. NTG1 CAN USE DIHYDROTHYMINE,  
 UREA, AND URACIL GLYCOL ARE SUBSTRATES.  
 CC -1- SUBCELLULAR LOCATION: MITOCHONDRIAL TRANSMEMBRANE SPACE OR  
 MATRIX.  
 CC -1- SIMILARITY: BELONGS TO THE NTH/MUTY FAMILY. BUT LACKS THE  
 IRON-SULFUR REGION.  
 CC -----  
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 CC -----  
 CC EMBL; L05146; AAC04942.1;  
 CC PIR; S36719; S36719.  
 CC SGD; S0000013; NTG1.  
 CC InterPro; IPR004036; EndoIII\_Hhh.  
 CC InterPro; IPR003265; Endo\_3c.

DR Pfam: PF00730; HhH-GPD; 1.  
 DR SMART: SM00478; ENDO3C; 1.  
 DR PROSITE: PS01155; ENDONUCLEASE\_IIL-2; 1.  
 KW Mitochondrion; Transic peptide; Hydrolase; Glycosidase.  
 FT TRANSIT 1 17 MITOCHONDRION (POTENTIAL).  
 FT CHAIN 18 399 DNA BASE EXCISION REPAIR N-GLYCOSYLASE 1.  
 SQ SEQUENCE 399 AA; 45577 MW; A3C878A3004908F3 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 399;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 40 EEVVPQPDVID 50  
 RESULT 22  
 ALKB\_PSEOL STANDARD; PRT; 401 AA.  
 AC P12691;  
 DT 01-OCT-1989 (Rel. 12, Created)  
 DT 01-OCT-1989 (Rel. 12, Last sequence update)  
 DT 16-OCT-2001 (Rel. 40, Last annotation update)  
 DE Alkane-1 monooxygenase (EC 1.14.15.3) (Alkane hydroxylase).  
 GN ALKB.  
 OS Pseudomonas oleovorans.  
 OG Plasmid OCT.  
 OC Bacteria; Proteobacteria; gamma subdivision; Pseudomonadaceae;  
 OC Pseudomonas.  
 OX NCBI\_TaxID=301;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=89174581; PubMed=2647718;  
 RA Kok M., Oldenhuis R., van der Linden M.P.G., Raathes P., Kingma J.,  
 RA van Lelyveld P.H., Witholt B.;  
 RT "The Pseudomonas oleovorans alkane hydroxylase gene. Sequence and  
 RT expression.";  
 RL J. Biol. Chem. 264:5435-5441(1989).  
 RN [2]  
 RP TOPOLOGY.  
 RX MEDLINE=92250518; PubMed=1315749;  
 RA van Beilen J.B., Penniga D., Witholt B.;  
 RT "Topology of the membrane-bound alkane hydroxylase of Pseudomonas  
 RT oleovorans.";  
 RL J. Biol. Chem. 267:9194-9201(1992).  
 CC -1- CATALYTIC ACTIVITY: Octane + reduced rubredoxin + O(2) = 1-octanol  
 CC + oxidized rubredoxin + H(2)O.  
 CC -1- PATHWAY: Alkane degradation.  
 CC -1- SUBUNIT: THE ALKANE HYDROXYLASE CONSISTS OF THREE COMPONENTS:  
 CC CYTOPLASMIC MEMBRANE ALKANE HYDROXYLASE, NADH-DEPENDENT REDUCTASE  
 CC AND RUBREDOXIN.  
 CC -1- SUBCELLULAR LOCATION: Integral membrane protein.  
 CC -1- SIMILARITY: TO P.PUTIDA XYLENE MONOOXYGENASE X1LM.  
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 CC -----  
 DR EMBL: AJ245436; CAB54050.1;  
 DR PIR: A31266; A31266.  
 DR PIR: A32849; A32849.  
 DR InterPro: IPR001225; FA\_desaturase.  
 DR Pfam: PF00487; FA\_desaturase; 1.  
 KW Oxidoreductase; Monooxygenase; Transmembrane; Plasmid.  
 FT DOMAIN 1 20 CYTOPLASMIC (PROBABLE).  
 FT TRANSMEM 21 39 PROBABLE.  
 FT DOMAIN 40 41 PERIPLASMIC (PROBABLE).  
 FT TRANSMEM 42 62 PROBABLE.

FT DOMAIN 63 88 CYTOPLASMIC (PROBABLE).  
 FT TRANSMEM 89 111 PROBABLE.  
 FT DOMAIN 112 113 PERIPLASMIC (PROBABLE).  
 FT TRANSMEM 114 134 PROBABLE.  
 FT DOMAIN 135 228 CYTOPLASMIC (PROBABLE).  
 FT TRANSMEM 229 249 PROBABLE.  
 FT DOMAIN 250 250 PERIPLASMIC (PROBABLE).  
 FT TRANSMEM 251 270 PROBABLE.  
 FT DOMAIN 271 401 CYTOPLASMIC (PROBABLE).  
 SQ SEQUENCE 401 AA; 45806 MW; F32896458039D11B CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 401;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 75 EEVVPKLEKER 85  
 RESULT 23  
 THIL\_STAAM STANDARD; PRT; 407 AA.  
 ID THIL\_STAAM  
 AC Q931P5;  
 DT 15-JUN-2002 (Rel. 41, Created)  
 DT 15-JUN-2002 (Rel. 41, Last sequence update)  
 DT 15-JUN-2002 (Rel. 41, Last annotation update)  
 DE Probable thiamine biosynthesis protein thil.  
 GN THIL OR SAV1715.  
 OS Staphylococcus aureus (strain Mu50 / ATCC 700699).  
 OC Bacteria; Firmicutes; Bacillales; Staphylococcus.  
 OX NCBI\_TaxID=158878;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=21311952; PubMed=11418146;  
 RA Kuroda M., Ohta T., Uchiyama I., Baba T., Yuzawa H., Kobayashi I.,  
 RA Cui L., Oguchi A., Aoki K.-I., Nagai Y., Lian J.-Q., Ito T.,  
 RA Kanamori M., Matsumaru H., Maruyama A., Murakami H., Hosoyama A.,  
 RA Mizutani-Ui Y., Takahashi N.K., Sawano T., Inoue R.-I., Kaito C.,  
 RA Sekimizu K., Hirakawa H., Kubara S., Goto S., Yabuzaki J.,  
 RA Kanehisa M., Yamashita A., Oshima K., Furuya K., Yoshino C., Shiba T.,  
 RA Hattori M., Ogasawara N., Hayashi H., Hiramatsu K.;  
 RT "Whole genome sequencing of methicillin-resistant Staphylococcus  
 RT aureus.";  
 RL Lancet 357:1225-1240(2001).  
 CC -1- FUNCTION: Required for the synthesis of the thiazole moiety (By  
 CC similarity).  
 CC -1- PATHWAY: Thiamine biosynthesis.  
 CC -1- SUBCELLULAR LOCATION: Cytoplasmic (Potential).  
 CC -1- SIMILARITY: BELONGS TO THE THIL FAMILY.  
 CC -----  
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 CC -----  
 DR EMBL: AP003363; BAB57877.1;  
 DR InterPro: IPR004114; THUMP.dom.  
 DR InterPro: IPR003720; Thil.  
 DR Pfam: PF02568; Thil; 1.  
 DR Pfam: PF02926; THUMP; 1.  
 DR TIGREAFMS: TIGR00342; Thil; 1.  
 KW Thiamine biosynthesis; Complete proteome.  
 SQ SEQUENCE 407 AA; 46228 MW; 2BD404728AA854B7 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 407;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11

Db 163 EEVPGSGGLP 173

## RESULT 24

THII\_STAAN STANDARD; PRT: 407 AA.  
AC Q99TE8;  
DT 15-JUN-2002 (Rel. 41, Last sequence update)  
DT 15-JUN-2002 (Rel. 41, Last annotation update)  
DE Probable thiamine biosynthesis protein thii.  
GN THII OR SA1537.  
OS Staphylococcus aureus (strain N315).  
OC Bacteria; Firmicutes; Bacillales; Staphylococcus.  
OX NCBI\_TaxID=158879;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=21311952; PubMed=11418146;  
RA Kuroda M., Ohta T., Uchiyama I., Baba T., Yuzawa H., Kobayashi I.,  
RA Cui L., Oguchi A., Aoki K.-I., Nagai Y., Lian J.-Q., Ito T.,  
RA Kanamori M., Matsumaru H., Maruyama A., Murakami H., Hosoyama A.,  
RA Mizutani-Ui Y., Takahashi N.K., Sawano T., Inoue R.-I., Kaito C.,  
RA Sekimizu K., Hirakawa H., Kuhara S., Goto S., Yabuzaki J.,  
RA Kanehisa M., Yanashita A., Oshima K., Furuya K., Yoshino C., Shiba T.,  
RA Hattori M., Ogasawara N., Hayashi H., Hiramatsu K.;  
RT "Whole genome sequencing of methicillin-resistant Staphylococcus  
aureus";  
RL Lancet 357:1225-1240(2001).  
CC -!- FUNCTION: Required for the synthesis of the thiazole moiety (by  
CC similarity).  
CC -!- PATHWAY: Thiamine biosynthesis.  
CC -!- SUBCELLULAR LOCATION: Cytoplasmic (Potential).  
CC -!- SIMILARITY: BELONGS TO THE THII FAMILY.  
CC -----  
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CC -----  
CC EMBL: AP003134; BAB42804.1; -;  
DR InterPro: IPR004114; THUMP\_dom.  
DR InterPro: IPR003720; Thii.  
DR Pfam: PF02568; Thii; 1.  
DR Pfam: PF02926; THUMP; 1.  
DR TIGRFAMs: TIGR00342; Thii; 1.  
KW Thiamine biosynthesis; Complete proteome.  
SQ SEQUENCE 407 AA; 46202 MW; 2BDD7D028A8F88C7 CRC64;  
  
Query Match 100.0%; Score 31; DB 1; Length 407;  
Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXXX 11  
Db 163 EEVPGSGGLP 173

## RESULT 25

YM42\_MYCTU STANDARD; PRT: 414 AA.  
ID YM42\_MYCTU  
AC Q10523;  
DT 01-OCT-1996 (Rel. 34, Created)  
DT 01-OCT-1996 (Rel. 34, Last sequence update)  
DT 15-JUN-2002 (Rel. 41, Last annotation update)  
DE Hypothetical protein rv2242.  
GN RV2242 OR WT2302 OR WTCY427.23.  
OS Mycobacterium tuberculosis.  
OC Bacteria; Actinobacteria; Actinobacteria (class); Actinobacteridae;  
OC Actinomycetales; Corynebacterineae; Mycobacteriaceae; Mycobacterium.

OX NCBI\_TaxID=1773;

RN [1]  
RP SEQUENCE FROM N.A.  
RX STRAIN=H37RV;  
RX MEDLINE=98295987; PubMed=9634230;  
RA Cole S.T., Brosch R., Parkhill J., Garnier T., Churcher C., Harris D.,  
RA Gordon S.V., Eiglmeier K., Gas S., Barry C.E. III, Tekai F.,  
RA Badcock K., Basham D., Brown D., Chillingworth T., Connor R.,  
RA Davies R., Devlin K., Feltwell T., Gentles S., Hamlin N., Holroyd S.,  
RA Hornsby T., Jagels K., Krogh A., McLean J., Moule S., Murphy L.,  
RA Oliver S., Osborne J., Quail M.A., Rajandream M.A., Rogers J.,  
RA Rutter S., Seeger K., Skelton S., Squares S., Squares R.,  
RA Sulston J.E., Taylor K., Whitehead S., Barrell B.G.;  
RT "Deciphering the biology of Mycobacterium tuberculosis from the  
RT complete genome sequence";  
RL Nature 393:537-544(1998).  
RN [2]  
RP SEQUENCE FROM N.A.  
RX STRAIN=CDC 1551 / Oshkosh;  
RA Fleischmann R.D., Alland D., Eisen J.A., Carpenter L., White O.,  
RA Peterson J., DeBoy R., Dodson R., Gwinn M.L., Haft D., Hickey E.,  
RA Kolonay J.F., Nelson W.C., Umayam L.A., Ermolaeva M.D., Salzberg S.L.,  
RA Delcher A., Utterback T., Weidman J., Khouri H., Gill J., Mikula A.,  
RA Bishai W.;  
RT "Whole genome comparison of Mycobacterium tuberculosis clinical and  
RT laboratory strains";  
RL Submitted (APR-2001) to the EMBL/GenBank/DBJ databases.  
CC -!- SIMILARITY: BELONGS TO THE CDAR FAMILY.  
CC -----  
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CC -----  
CC EMBL: Z70692; CAA94663.1; -;  
DR EMBL: AE007074; AAK46586.1; -;  
DR TIGR: MT2302; -;  
DR Tuberculist; RV2242; -;  
KW Hypothetical protein; Complete proteome.  
SQ SEQUENCE 414 AA; 44637 MW; F454D43397711F73 CRC64;  
  
Query Match 100.0%; Score 31; DB 1; Length 414;  
Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXXX 11  
Db 120 EEVWPLLARSE 130

## RESULT 26

YCDT\_ECOLI STANDARD; PRT: 452 AA.  
ID YCDT\_ECOLI  
AC P75908; Q9R7P4; Q9R7P6;  
DT 01-NOV-1997 (Rel. 35, Created)  
DT 01-NOV-1997 (Rel. 35, Last sequence update)  
DT 16-OCT-2001 (Rel. 40, Last annotation update)  
DE Hypothetical protein ycdT.  
GN YCDT OR B1025.  
OS Escherichia coli.  
OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;  
OC Escherichia.  
OX NCBI\_TaxID=562;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX STRAIN=K12 / MG1655;  
RX MEDLINE=97426617; PubMed=9278503;  
RA Blattner F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V.,  
RA Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F.,  
RA Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J.,

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RA  Mau B., Shao Y.;
RT  "The complete genome sequence of Escherichia coli K-12.";
RL  Science 277:1453-1474(1997).
RN  [2]
RP  SEQUENCE FROM N.A.
RC  STRAIN=K12;
RX  MEDLINE=97061202; PubMed=8905232;
RA  Oshima T., Aiba H., Baba T., Fujita K., Hayashi K., Honjo A.,
RA  Ikemoto K., Inada T., Itoh T., Kajihara M., Kanai K., Kashimoto K.,
RA  Kimura S., Kitagawa M., Makino K., Masuda S., Miki T., Mizobuchi K.,
RA  Mori H., Motomura K., Nakamura Y., Nishimoto H., Nishio Y., Saito N.,
RA  Sanpei G., Seki Y., Tagami H., Takemoto K., Wada C., Yamamoto Y.,
RA  Yano M., Horiuchi T.;
RT  "A 718-kb DNA sequence of the Escherichia coli K-12 genome
RT  corresponding to the 12.7-28.0 min region on the linkage map.";
RL  DNA Res. 3:137-155(1996).
CC  -1- SUBCELLULAR LOCATION: Integral membrane protein (Potential).
CC  -1- SIMILARITY: BELONGS TO THE YABC / YFIN (B.COLI), YHCK (B.SUBTILIS)
CC  FAMILY.
CC  -----
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CC  -----
DR  EMBL; AF000204; AAC74110.1; -
DR  EMBL; D90739; BAA35807.1; ALT_INIT.
DR  EMBL; D90740; BAA35810.1; ALT_INIT.
DR  EcoGene; EG13866; ycdT.
DR  InterPro; IPR00160; GGDEF.
DR  Pfam; PF00990; GGDEF; 1.
DR  SMART; SM00267; DUF1.1.
DR  TIGRFAMs; TIGR00254; GGDEF; 1.
KW  Hypothetical protein; Transmembrane; Complete proteome.
FT  TRANSMEM 8 28 POTENTIAL.
FT  TRANSMEM 46 66 POTENTIAL.
FT  TRANSMEM 75 95 POTENTIAL.
FT  TRANSMEM 112 132 POTENTIAL.
FT  TRANSMEM 149 169 POTENTIAL.
FT  TRANSMEM 196 216 POTENTIAL.
FT  TRANSMEM 220 240 POTENTIAL.
FT  TRANSMEM 255 275 POTENTIAL.
FT  CONFLICT 130 130 A -> V (IN REF. 2).
SQ  SEQUENCE 452 AA; 51782 MW; B6FB9E7EB894D701 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 452;
Best Local Similarity 45.5%; Pred. No. 1.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 35 EEVVPKSTYIM 45

RESULT 27
Z185_HUMAN STANDARD; PRT; 457 AA.
AC O15231; O00345; Q9NSD2;
DT 15-JUL-1999 (Rel. 38, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Zinc finger protein 185 (LIM-domain protein ZNF185) (P1-A).
GN ZNF185.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Blood;

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RX MEDLINE=97422610; PubMed=9286636;
RA Heiss N.S., Gloeckner G., Baechner D., Kioschis P., Klauck S.M.,
RA Hinzmann B., Rosenthal A., Herman G.E., Poustka A.;
RT "Genomic structure of a novel LIM domain gene (ZNF185) in Xq28 and
RT comparisons with the orthologous murine transcript.";
RL Genomics 43:329-338(1997).
RN [2]
RN SEQUENCE FROM N.A.
RX MEDLINE=20314869; PubMed=10854409;
RA Mallon A.M., Platzer M., Bates R., Gloeckner G., Botcherby M.,
RA Nordstiek G., Strivens M.A., Kioschis P., Dangel A., Cunningham D.,
RA Straw R., Weston P., Hunter C., Gilbert M., Fernando S., Goodall K.,
RA Kerry G., Greystrong J.S., Clark D., Goerdes M., Blechschmidt K.,
RA Rump A., Hinzmann B., Mundy C.R., Miller W., Poustka A., Herman G.E.,
RA Rhodes M., Denny P., Rosenthal A., Brown S.D.M.;
RT "Comparative genome sequence analysis of the Bpa/Str region in mouse
RT and man.";
RL Genome Res. 10:758-775(2000).
CC -1- FUNCTION: MAY BE INVOLVED IN THE REGULATION OF CELLULAR
CC PROLIFERATION AND/OR DIFFERENTIATION.
CC -1- SUBCELLULAR LOCATION: Nuclear (Potential).
CC -1- TISSUE SPECIFICITY: EXPRESSED IN PLACENTA, PANCREAS AND KIDNEY.
CC ALSO EXPRESSED IN PROSTATE, TESTIS, OVARY AND BLOOD.
CC -1- SIMILARITY: CONTAINS 1 LIM DOMAIN. THE LIM DOMAIN BINDS 2 ZINC
CC IONS.
CC -----
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CC -----
DR  EMBL; Y09538; CAA70733.1; -
DR  EMBL; U82671; AAF44794.1; -
DR  GenBank; HGNC:12976; ZNF185.
DR  MIM; 300381; -
DR  InterPro; IPR001781; LIM.
DR  ProDom; PD000094; LIM; 1.
DR  SMART; SM00132; LIM; 1.
DR  PROSITE; PS00478; LIM_DOMAIN_1; FALSE_NEG.
DR  PROSITE; PS50023; LIM_DOMAIN_2; 1.
KW  LIM domain; Metal-binding; Zinc.
FT  DOMAIN 24 30 POLY-GLU.
FT  DOMAIN 397 452 LIM.
FT  CONFLICT 1 9 MTEDYKKL -> MQQ (IN REF. 1).
FT  CONFLICT 176 176 Y -> C (IN REF. 1).
FT  CONFLICT 182 182 A -> P (IN REF. 1).
FT  CONFLICT 260 260 G -> R (IN REF. 1).
SQ  SEQUENCE 457 AA; 49187 MW; 1E8A77D6B75EB6C6 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 457;
Best Local Similarity 45.5%; Pred. No. 1.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 29 EEVVPFSDEQ 39

RESULT 28
TEC1_YEAST STANDARD; PRT; 486 AA.
AC P18412;
DT 01-NOV-1990 (Rel. 16, Created)
DT 01-NOV-1990 (Rel. 16, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Ty transcription activator TEC1.
GN TEC1 OR ROC1 OR YBR083W OR YBR0750.
OS Saccharomyces cerevisiae (Baker's yeast).
OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
OC Saccharomycetales; Saccharomycetaceae; Saccharomyces.

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OX NCBI_TaxID=4932;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=90287143; PubMed=2192259;
RA Laloux I., Dubois E., Dewerchin M., Jacobs E.;
RT "TECL, a gene involved in the activation of Tyl and Tyl-mediated gene
RT expression in Saccharomyces cerevisiae: cloning and molecular
RT analysis.";
RL Mol. Cell. Biol. 10:3541-3550(1990).
RN [2]
RP SEQUENCE FROM N.A.
RX STRAIN=S288C;
RA Andre B., Criepluch C., Hein C., Jauniaux J.C., Urrestarazu A.,
RA Vissers S.;
RL Submitted (AUG-1994) to the EMBL/GenBank/DDBJ databases.
RN [3]
RP TEA DOMAIN.
RX MEDLINE=91300541; PubMed=2070413;
RA Buerklin T.R.;
RT "The TEA domain: a novel, highly conserved DNA-binding motif.";
RL Cell 66:11-12(1991).
CC -1- FUNCTION: TECL IS INVOLVED IN THE ACTIVATION OF TYL AND TYL-
CC MEDIATED GENE EXPRESSION. IT IS NOT INVOLVED IN MATING OR
CC SPORULATION PROCESSES.
CC -1- SUBCELLULAR LOCATION: Nuclear.
CC -1- SIMILARITY: CONTAINS 1 TEA DNA-BINDING DOMAIN.
CC
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CC
CC EMBL; M32797; AAA35141.1; -
CC EMBL; Z35952; CAA85028.1; -
CC PIR; A35667; A35667.
CC TRANSFAC; T01084; -
CC SGD; S0000287; TECL.
CC InterPro; IPR000818; TEA/ATTSdom.
CC Pfam; PF01285; TEA; 1.
CC PRINTS; PR00065; TEADOMAIN.
CC SMART; SM00426; TEA; 1.
CC PROSITE; PS00554; TEA_DOMAIN; 1.
CC Transcription regulation; Trans-acting factor; Activator;
CC DNA-binding; Nuclear protein.
FT DNA_BIND 127 192 TEA-DOMAIN.
SQ SEQUENCE 486 AA; 55157 MW; F247016D3E75C454 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 486;
Best Local Similarity 45.5%; Pred. No. 1.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 393 EEVVPVSATVT 403
|||||:||||:

RESULT 29
DAPT_HUMAN STANDARD; PRT; 680 AA.
AC O15228;
DT 15-DEC-1998 (Rel. 37, Created)
DT 15-DEC-1998 (Rel. 37, Last sequence update)
DT 16-OCT-2001 (Rel. 40, Last annotation update)
DE Dihydroxyacetone phosphate acyltransferase (EC 2.3.1.42) (DHAP-AT)
DE (DAP-AT) (Glycerone-phosphate O-acyltransferase) (Acyl-
DE CoA:dihydroxyacetonephosphate acyltransferase)
DE GNAT OR DHAPAT OR DAPAT.
OS Homo sapiens (Human)
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

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OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX TISSUE=Brain;
RA MEDLINE=98119339; PubMed=9459311;
RA Thai T.-P., Heid H., Rackwitz H.-R., Hunziker A., Gorgas K.,
RA Just W.W.;
RT "Ether lipid biosynthesis: isolation and molecular characterization
RT of human dihydroxyacetonephosphate acyltransferase.";
RL FEBS Lett. 420:205-211(1997).
RN [2]
RP SEQUENCE FROM N.A., SEQUENCE OF 12-33, AND VARIANTS RCDP2 C-211 AND
RP H-211.
RX MEDLINE=98204809; PubMed=9536089;
RA Ofman R., Hettema E.H., Hogenhout E.M., Caruso U., Muijsers A.O.,
RA Wanders R.J.A.;
RT "Acyl-CoA:dihydroxyacetonephosphate acyltransferase: cloning of the
RT human cDNA and resolution of the molecular basis in rhizomelic
RT chondrodysplasia punctata type 2.";
RL Hum. Mol. Genet. 7:847-853(1998).
CC -1- CATALYTIC ACTIVITY: Acyl-CoA + glycerone phosphate = CoA +
CC acylglycerone phosphate.
CC -1- PATHWAY: BIOSYNTHESIS OF ETHERLIPIDS (EPL) AND PLASMALOGENES.
CC -1- SUBUNIT: MAY BE PART OF AN HETEROTRIMERIC COMPLEX COMPOSED OF DAP-
CC AT, ADAP-S AND A MODIFIED FORM OF DAP-AT.
CC -1- SUBCELLULAR LOCATION: PEROXISOMAL; EXCLUSIVELY LOCALIZED TO THE
CC LUMENAL SIDE OF THE PEROXISOMAL MEMBRANE (BY SIMILARITY).
CC -1- DISEASE: DEFECTS IN GNAT ARE THE CAUSE OF RHIZOMELIC
CC CHONDRODYSPLASIA PUNCTATA, TYPE 2 (RCDP2). THIS AUTOSOMAL
CC RECESSIVE DISEASE IS CHARACTERIZED BY RHIZOMELIC SHORTENING OF THE
CC UPPER EXTREMITIES, SEVERE GROWTH AND MENTAL RETARDATION AND
CC CATARACT.
CC -1- SIMILARITY: BELONGS TO THE GPAT / DAPAT FAMILY.
CC
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CC
CC EMBL; AJ002190; CAA05242.1; -
CC EMBL; AF043937; AAC24505.1; -
CC GenBank; HGNC:4416; GNAT.
CC MIM; 602744; -
CC MIM; 222765; -
CC InterPro; IPR002123; Acyltransferase.
CC Pfam; PF01553; Acyltransferase; 1.
CC PROSITE; PS00342; MICROBODIES_CTER; 1.
CC Transferrase; Acyltransferase; Peroxisome; Membrane;
CC Rhizomelic chondrodysplasia punctata; Disease mutation.
FT DOMAIN 3 9 POLY-SER.
FT SITE 678 680 MICROBODY TARGETING SIGNAL (POTENTIAL).
FT VARIANT 211 211 R -> C (IN RCDP2).
FT VARIANT 211 211 /FTID=VAR_006357.
FT VARIANT 211 211 /FTID=VAR_006358.
FT CONFLICT 26 26 S -> K (IN REF. 2; AA SEQUENCE).
FT CONFLICT 31 31 K -> N (IN REF. 2; AA SEQUENCE).
SQ SEQUENCE 680 AA; 77187 MW; BDF624CCD4D92477 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 680;
Best Local Similarity 45.5%; Pred. No. 2.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 432 EEVVPASILLH 442
|||||:||||:

RESULT 30
PLSB_CAEEL

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ID PLSB_CAEEL STANDARD; PRT; 718 AA.
AC Q22949;
DT 15-DEC-1998 (Rel. 37, Created)
DT 15-DEC-1998 (Rel. 37, Last sequence update)
DT 15-JUL-1999 (Rel. 38, Last annotation update)
DE Probable glycerol-3-phosphate acyltransferase, mitochondrial precursor
DE (EC 2.3.1.15) (GPAT).
GN F08F3.2.
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
OC Rhabditidae; Feloderinae; Caenorhabditis.
OX NCBI_TaxID=6239;
RN [11]
RP SEQUENCE FROM N.A.
RC STRAIN=Bristol N2.
RA Blanchard M., Bradshaw H.;
RL Submitted (JUL-1996) to the EMBL/GenBank/DBJ databases.
CC -!- CATALYTIC ACTIVITY: Acyl-CoA + sn-glycerol 3-phosphate = CoA + 1-
CC acyl-sn-glycerol 3-phosphate.
CC -!- PATHWAY: FIRST STEP IN DE NOVO PHOSPHOLIPID BIOSYNTHESIS. IT MAY
CC ALSO FUNCTION IN THE REGULATION OF MEMBRANE BIOGENESIS.
CC -!- SUBCELLULAR LOCATION: Integral membrane protein. Mitochondrial
CC (Potential).
CC -!- SIMILARITY: BELONGS TO THE GPAT / DAPAT FAMILY.
CC -----
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CC -----
DR EMBL; U64847; AAB04876.1; -.
DR WormPep; F08F3.2; CE09258.
DR InterPro; IPR002123; Acyltransferase.
DR Pfam; PF01553; Acyltransferase; 1.
KW Phospholipid biosynthesis; Transferase; Acyltransferase;
KW Transmembrane; Mitochondrion; Transit peptide.
FT TRANSIT 1 ? MITOCHONDRION (POTENTIAL).
FT CHAIN ? 718 PROBABLE GLYCEROL-3-PHOSPHATE
FT FT ACYLTRANSFERASE.
FT TRANSMEM 409 425 POTENTIAL.
FT SEQUENCE 718 AA; 82071 MW; E0A36A4A86FC138D CRC64;
SQ
Query Match 100.0%; Score 31; DB 1; Length 718;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 25 EEVVPRRYV 35
RESULT 31
SYG_MOUSE
ID SYG_MOUSE STANDARD; PRT; 729 AA.
AC Q9C2D3; Q8VC67;
DT 15-JUN-2002 (Rel. 41, Created)
DT 15-JUN-2002 (Rel. 41, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Glycyl-tRNA synthetase (EC 6.1.1.14) (Glycine--tRNA ligase) (GlyRS).
GN GARS.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Embryo;
RX MEDLINE=21085660; PubMed=11217851;
RA Kawai J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,
RA Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,
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RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,
RA Saito T., Okazaki Y., Gojohori T., Bono H., Kasukawa T., Saito R.,
RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
RA Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H.,
RA Kuehl P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,
RA Schiri L.M., Stauble F., Suzuki R., Tomita M., Wagner L., Washio T.,
RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,
RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,
RA Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M.,
RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,
RA Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,
RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
RA Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,
RA Suzuki H., Toyooka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,
RA Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
RA Hayashizaki Y.;
RA "Functional annotation of a full-length mouse cDNA collection.";
RT Nature 409:685-690(2001).
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=Salivary gland;
RA Strausberg R.;
RL Submitted (JAN-2002) to the EMBL/GenBank/DBJ databases.
CC -!- CATALYTIC ACTIVITY: ATP + glycine + tRNA(Gly) = AMP + diphosphate
CC + glycyl-tRNA(Gly).
CC -!- SUBUNIT: Homodimer (By similarity).
CC -!- SIMILARITY: BELONGS TO CLASS-II AMINOACYL-TRNA SYNTHETASE FAMILY.
CC -!- SIMILARITY: CONTAINS 1 WHEP-TRS DOMAIN.
CC -----
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CC -----
DR EMBL; AK012758; BAB28448.1; -.
DR EMBL; BC021747; AAH21747.1; -.
DR HSSP; P56206; 1B76.
DR MGD; MGI:1921395; 1200014I03Rik.
DR InterPro; IPR002106; AACRNA_ligaseII.
DR InterPro; IPR004154; HGTP-anticodon.
DR InterPro; IPR002314; tRNA-synt_2b.
DR InterPro; IPR002315; tRNA-synt_gly.
DR InterPro; IPR000738; WHEP-TRS.
DR Pfam; PF03129; HGTP-anticodon; 1.
DR Pfam; PF00587; tRNA-synt_2b; 1.
DR Pfam; PF00458; WHEP-TRS; 1.
DR PRINTS; PR01043; TRNASYNTHGLY.
DR TIGRFAMS; TIGR00389; GLYS_dimeric; 1.
DR PROSITE; PS50862; AA_TRNA_LIGASE_II; 1.
DR PROSITE; PS00762; WHEP-TRS; 1.
KW Aminoacyl-tRNA synthetase; Protein biosynthesis; Ligase; ATP-binding.
FT DOMAIN 64 109 WHEP-TRS.
FT CONFLICT 694 N -> S (IN REF. 2).
FT CONFLICT 694 N -> S (IN REF. 2).
SQ SEQUENCE 729 AA; 81877 MW; 596613F746B9C7D0 CRC64;
Query Match 100.0%; Score 31; DB 1; Length 729;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 558 EEVVPVIEPS 568
RESULT 32
CATR_ASPNG STANDARD; PRT; 730 AA.
ID CATR_ASPNG
AC P55303;
DT 01-OCT-1996 (Rel. 34, Created)
DT 01-OCT-1996 (Rel. 34, Last sequence update)
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DT 01-OCT-1996 (Rel. 34, Last annotation update)
DE Catalase R (EC 1.11.1.6).
GN CATR.
OS Aspergillus niger.
OC Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
OC Eurotiales; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus.
OX NCBI_TaxID=5061;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=95020642; PubMed=7934925;
RA Fowler T., Rey M.M., Vaha-Vahe P., Power S.D., Berka R.M.;
RT "The catr gene encoding a catalase from Aspergillus niger: primary
RT structure and elevated expression through increased gene copy number
RT and use of a strong promoter.";
RL Mol. Microbiol. 9:989-998(1993).
CC -1- FUNCTION: OCCURS IN ALMOST ALL AEROBICALLY RESPIRING ORGANISMS AND
CC SERVES TO PROTECT CELLS FROM THE TOXIC EFFECTS OF HYDROGEN
CC PEROXIDE.
CC -1- CATALYTIC ACTIVITY: 2 H(2)O(2) = O(2) + 2 H(2)O.
CC -1- COFACTOR: HEME GROUP.
CC -1- SIMILARITY: BELONGS TO THE CATALASE FAMILY.
CC
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CC
CC EMBL; Z23138; CAA80669.1; -
CC EMBL; L15474; AAA68206.1; -
CC HSP; P21179; ICF9.
CC InterPro: IPR002226; Catalase.
CC Pfam; PF00199; catalase; 1.
CC PRINTS; PR00067; CATALASE.
CC PRODOM; PD000510; Catalase; 1.
CC PROSITE; PS00437; CATALASE_1; 1.
CC PROSITE; PS00438; CATALASE_2; 1.
CC Oxidoreductase; Peroxidase; Iron; Heme; Hydrogen peroxide.
KW ACT_SITE 105 105 BY SIMILARITY.
FT BINDING 392 392 PROXIMAL HEME LIGAND (BY SIMILARITY).
SQ SEQUENCE 730 AA; 80461 MW; DC901A1272B103DE CRC64;
Query Match 100.0%; Score 31; DB 1; Length 730;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 339 EEVVPYPLGM 349
ID SYG_HUMAN STANDARD; PRT; 739 AA.
AC P41250; Q969Y1;
DT 01-FEB-1995 (Rel. 31, Created)
DT 15-JUN-2002 (Rel. 41, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Glycyl-tRNA synthetase (EC 6.1.1.14) (Glycine--tRNA ligase) (GLYRS).
GN GARS
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=95050870; PubMed=7962006;
RA Shiba K., Schimmel P., Motegi H., Noda T.;
RT "Human glycyl-tRNA synthetase. Wide divergence of primary structure
RT from bacterial counterpart and species-specific aminoacylation.";
RL J. Biol. Chem. 269:30049-30055(1994).
RN
RP SEQUENCE FROM N.A.
RX MEDLINE=95273165; PubMed=7753621;
RA Williams J.H., Osvath S.R., Khong T.-F., Pearce M.J., Power D.A.;
RT "Cloning, sequencing and bacterial expression of human glycyl-tRNA
RT synthetase.";
RL Nucleic Acids Res. 23:1307-1310(1995).
RN [3]
RP SEQUENCE FROM N.A.
RX TISSUE=Eye, and Muscle;
RA Strausberg R.;
RL Submitted (MAY-2001) to the EMBL/GenBank/DBJ databases.
RN [14]
RP SEQUENCE OF 3-739 FROM N.A.
RX MEDLINE=95050687; PubMed=7961834;
RA Ge O., Trieu E.P., Targoff I.N.;
RT "Primary structure and functional expression of human glycyl-tRNA
RT synthetase, an autoantigen in myositis.";
RL J. Biol. Chem. 269:28790-28797(1994).
RN [5]
RP SEQUENCE OF 348-739 FROM N.A.
RA Andrews S., Langston Y., Stoneking T., Maupin R.;
RL Submitted (JUN-1998) to the EMBL/GenBank/DBJ databases.
CC -1- CATALYTIC ACTIVITY: ATP + glycine + tRNA(Gly) -> AMP + diphosphate
CC + glycyl-tRNA(Gly).
CC -1- SUBUNIT: Homodimer.
CC -1- SIMILARITY: BELONGS TO CLASS-II AMINOACYL-TRNA SYNTHETASE FAMILY.
CC -1- SIMILARITY: CONTAINS 1 WHEP-TRS DOMAIN.
CC
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CC
CC EMBL; D30658; BAA06338.1; -
CC EMBL; U09510; AAA86443.1; ALT_INIT.
CC EMBL; BC007722; AAH07722.1; -
CC EMBL; BC007755; AAH07755.1; -
CC EMBL; U09587; AAA57001.1; ALT_INIT.
CC EMBL; AC004976; AAC71652.1; -
CC HSP; P56206; LATI.
CC Genew; HGNC:4162; GARS.
CC MIM; 600287; -
CC InterPro: IPR002106; AALRNA_ligaseII.
CC InterPro: IPR004154; HGTP_anticon.
CC InterPro: IPR000738; WHEP-TRS.
CC InterPro: IPR002314; tRNA-synt_2b.
CC InterPro: IPR002315; tRNA-synt_gly.
CC Pfam; PF00458; WHEP-TRS; 1.
CC Pfam; PF00587; tRNA-synt_2b; 1.
CC Pfam; PF03129; HGTP_anticon; 1.
CC PRINTS; PR01043; TRNASYNTHGLY.
CC TIGRfams; TIGR00389; glyS_dimeric; 1.
CC PROSITE; PS50862; AA_TRNA_LIGASE_II; 1.
CC PROSITE; PS00762; WHEP-TRS; 1.
KW Aminoacyl-tRNA synthetase; Protein biosynthesis; Ligase; ATP-binding.
FT DOMAIN 74 119 WHEP-TRS.
FT CONFLICT 530 530 M -> I (IN REF. 2).
SQ SEQUENCE 739 AA; 83139 MW; 55DD57119F438E5 CRC64;
Query Match 100.0%; Score 31; DB 1; Length 739;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 568 EEVVPNVIEPS 578
RESULT 34
```



Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0

QY 1 EEVVPXXXXX 11  
 127 EEVVPGRDFPG 137  
 127 EEVVPGRDFPG 137

RESULT 35  
 Y4QF\_RHISN STANDARD; PRT; 754 AA.  
 ID Y4QF\_RHISN STANDARD; PRT; 754 AA.  
 AC P55627;  
 DT 01-NOV-1997 (Rel. 35, Created)  
 DT 01-NOV-1997 (Rel. 35, Last sequence update)  
 DT 30-MAY-2000 (Rel. 39, Last annotation update)  
 DE Probable peptidase Y4QF (EC 3.4.21.-).  
 GN Y4QF.  
 OS Rhizobium sp. (strain NGR234).  
 OG Plasmid sym pNGR234a.  
 OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;  
 OC Rhizobiaceae; Rhizobium.  
 OX NCBI\_TaxID=394;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE-97305956; PubMed-9163424;  
 RA Freiberg C.A., Fellay R., Balroch A., Broughton W.J., Rosenthal A.,  
 RA Perret X.;  
 RL "Molecular basis of symbiosis between Rhizobium and legumes.";  
 RL Nature 387:394-401(1997).  
 CC -1- SIMILARITY: BELONGS TO PEPTIDASE FAMILY S9A.  
 CC  
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 CC -----  
 CC EMBL: AE000092; AAB91830.1; -  
 CC MEROPS: S09. UPA; -  
 CC InterPro: IPR001375; Peptidase\_S9.  
 CC InterPro: IPR004106; Peptidase\_S9\_N.  
 CC InterPro: IPR002470; Proligo\_Prtase.  
 CC Pfam: PF003326; Peptidase\_S9; 1.  
 CC Pfam: PF02897; Peptidase\_S9; 1.  
 CC PRINTS: PR00862; PROLIGOPTASE.  
 CC KW Hypothetical protein; Hydrolase; Serine protease; Plasmid.  
 FT ACT\_SITE 585 585 CHARGE RELAY SYSTEM (BY SIMILARITY).  
 FT ACT\_SITE 707 707 CHARGE RELAY SYSTEM (BY SIMILARITY).  
 SQ SEQUENCE 754 AA; 84714 MW; B5CD67884FA74D23 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 754;  
 Best Local Similarity 45.5%; Pred.No. 2.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 347 EEVVPGRAGVT 357  
 347 EEVVPGRAGVT 357

RESULT 36  
 YHT1\_YEAST STANDARD; PRT; 840 AA.  
 ID YHT1\_YEAST STANDARD; PRT; 840 AA.  
 AC P38835;  
 DT 01-FEB-1995 (Rel. 31, Created)  
 DT 01-FEB-1995 (Rel. 31, Last sequence update)  
 DT 01-OCT-1996 (Rel. 34, Last annotation update)  
 DE Hypothetical 95.1 kDa protein in ACT5-YCK1 intergenic region.  
 GN YHR131C.  
 OS Saccharomyces cerevisiae (Baker's yeast).  
 OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;  
 OC Saccharomycetales; Saccharomycetaceae; Saccharomycetes.  
 OX NCBI\_TaxID=4932;

RN SEQUENCE FROM N.A.  
 RC STRAIN-S288C / AB972;  
 RA MEDLINE=94378003; PubMed=8091229;  
 RX Johnston M., Andrews S., Brinkman R., Cooper J., Ding H., Dover J.,  
 Du Z., Favell A., Fulton L., Gattung S., Geisel C., Kirsten J.,  
 Kucaba T., Hillier L., Jier M., Johnston L., Langston Y.,  
 Latreille P., Louis E.J., Macri C., Mardis E., Meneses S., Mouser L.,  
 Nhan M., Rifkin L., Riles L., St Peter H., Trevaskis E., Vaughan K.,  
 Vignati D., Wilcox L., Wohlman P., Waterston R., Wilson R.,  
 Vaudin M.;  
 RT "Complete nucleotide sequence of Saccharomyces cerevisiae chromosome  
 VII.";  
 RL Science 265:2077-2082(1994).  
 CC -1- SIMILARITY: TO YEAST YNL144C.  
 CC  
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 CC  
 CC EMBL; U10398; AAB68414.1;  
 DR PIR; S48975; S48975.  
 DR HSSP; Q00963; IDRO.  
 DR SGD; S0001173; YHR131C.  
 DR InterPro; IPR001849; PH.  
 DR Pfam; PF00169; PH; 1.  
 DR SMART; SM00233; PH; 1.  
 KW Hypothetical protein.  
 FT DOMAIN 312 325  
 FT 788 840  
 FT POLY-ARG.  
 FT ASP/GLU-RICH (HIGHLY ACIDIC).  
 SQ SEQUENCE 840 AA; 95058 MW; 3A86717D3332A0DF CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 840;  
 Best Local Similarity 45.5%; Pred. No. 2.9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 DB 514 EEVVPKFPNS 524  
 RESULT 37  
 SUHW\_DROME STANDARD; PRT; 944 AA.  
 AC P08970;  
 DT 01-NOV-1988 (Rel. 09, Created)  
 DT 01-NOV-1988 (Rel. 09, Last sequence update)  
 DT 01-OCT-1994 (Rel. 30, Last annotation update)  
 DE Suppressor of hairy wing protein.  
 GN SU(HW).  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Mandibulata; Pancrustacea; Hexapoda;  
 OC Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera;  
 OC Muscomorpha; Ephydroidea; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID=7227;  
 [1]  
 RN SEQUENCE FROM N.A.  
 RC STRAIN=Canton-S;  
 RA MEDLINE=89078995; PubMed=2462523;  
 RX Parkhurst S.M., Harrison D.A., Remington M.P., Spana C., Kelley R.L.,  
 RA Coyne R.S., Corces V.G.;  
 RT "The Drosophila su(Hw) gene, which controls the phenotypic effect of  
 RT the gypsy transposable element, encodes a putative DNA-binding  
 RL protein.";  
 RL Genes Dev. 2:1205-1215(1988).  
 [2]  
 RN CHARACTERIZATION.  
 RX MEDLINE=93178417; PubMed=8382607;  
 RA Roseman R.R., Pirrotta V., Gelyer P.K.;

RT "The su(Hw) protein insulates expression of the Drosophila  
 RT melanogaster white gene from chromosomal position-effects.";  
 RL EMBO J. 12:435-442(1993).  
 RN CHARACTERIZATION.  
 RX MEDLINE=94010293; PubMed=7916729;  
 RA Harrison D.A., Gdula D.A., Coyne R.S., Corces V.G.;  
 RT "A leucine zipper domain of the suppressor of Hairy-wing protein  
 RT mediates its repressive effect on enhancer function.";  
 RL Genes Dev. 7:1966-1978(1993).  
 CC -1- FUNCTION: SU(HW) CONTROLS THE PHENOTYPIC EFFECT OF THE GYPSY  
 CC TRANSDUCIBLE ELEMENT. BINDS SPECIFICALLY TO A REGION OF THE GYPSY  
 CC ELEMENT LOCATED 3' OF THE 5'-LTR. IT IS PROBABLY A TRANSCRIPTION  
 CC FACTOR. COULD PLAY A ROLE IN THE ESTABLISHMENT OF CHROMATIN  
 CC DOMAINS.  
 CC -1- SUBCELLULAR LOCATION: Nuclear.  
 CC  
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 CC  
 CC EMBL; Y00228; CAA68371.1;  
 DR PIR; S01909; S01909.  
 DR HSSP; P07248; 2ADR.  
 DR TRANSFAC; T00774;  
 DR FlyBase; FBgn0003567; su(Hw).  
 DR InterPro; IPR000822; Znf.C2H2.  
 DR Pfam; PF00096; Zf-C2H2; 12.  
 DR PRINTS; PR00048; ZINC\_FINGER.  
 DR SMART; SM00355; Znf.C2H2; 11.  
 DR PROSITE; PS00157; ZINC\_FINGER\_C2H2\_1; 10.  
 DR PROSITE; PS00028; ZINC\_FINGER\_C2H2\_2; 11.  
 KW Transcription regulation; zinc-finger; Metal-binding; DNA-binding;  
 KW Repeat; Nuclear protein.  
 FT DOMAIN 155 202  
 FT DOMAIN 220 242  
 FT ZN\_FING 220 242  
 FT ZN\_FING 290 313  
 FT ZN\_FING 319 341  
 FT ZN\_FING 348 366  
 FT ZN\_FING 380 402  
 FT ZN\_FING 413 435  
 FT ZN\_FING 441 463  
 FT ZN\_FING 469 491  
 FT ZN\_FING 497 519  
 FT ZN\_FING 523 545  
 FT ZN\_FING 553 577  
 FT ZN\_FING 596 619  
 SQ SEQUENCE 944 AA; 106276 MW; 27CA707E37FA687F CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 944;  
 Best Local Similarity 45.5%; Pred. No. 3.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 DB 168 EEVVPGRINN 178  
 RESULT 38  
 TOPI\_CANGA STANDARD; PRT; 1406 AA.  
 ID TOPI\_CANGA  
 AC O93794;  
 DT 15-JUN-2002 (Rel. 41, Created)  
 DT 15-JUN-2002 (Rel. 41, Last sequence update)  
 DT 15-JUN-2002 (Rel. 41, Last annotation update)  
 DE DNA topoisomerase II (EC 5.99.1.3).  
 GN TOP2.  
 OS Candida glabrata (Yeast) (Torulopsis glabrata).

OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;  
 OC Saccharomycetales; mitosporic Saccharomycetales; Candida.  
 OX NCBI\_TaxID=5478;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=ATCC 2001;  
 RX MEDLINE=98455808; PubMed=9782488;  
 RA Nakayama H., Izuta M., Nagahashi S., Sihta E.Y., Sato Y., Yamazaki T.,  
 RA Arisawa M., Kitada K.;  
 RT "A controllable gene-expression system for the pathogenic fungus  
 RT Candida glabrata";  
 RL Microbiology 144:2407-2415(1998).  
 CC -!- FUNCTION: CONTROL OF TOPOLOGICAL STATES OF DNA BY TRANSIENT  
 CC BREAKAGE AND SUBSEQUENT REJOINING OF DNA STRANDS. TOPOISOMERASE II  
 CC MAKES DOUBLE-STRAND BREAKS (BY SIMILARITY).  
 CC -!- CATALYTIC ACTIVITY: ATP-dependent breakage, passage and rejoining  
 CC of double-stranded DNA.  
 CC -!- SUBUNIT: HOMODIMER (BY SIMILARITY).  
 CC -!- SUBCELLULAR LOCATION: Nuclear (By similarity).  
 CC -!- MISCELLANEOUS: EUKARYOTIC TOPOISOMERASE I AND II CAN RELAX BOTH  
 CC NEGATIVE AND POSITIVE SUPERCOILS, WHEREAS PROKARYOTIC ENZYMES  
 CC RELAX ONLY NEGATIVE SUPERCOILS.  
 CC -!- SIMILARITY: BELONGS TO THE TYPE II TOPOISOMERASE FAMILY.  
 CC  
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 CC  
 DR EMBL; AB010644; BAA33955.1; -  
 DR HSP; P06786; 1BGW.  
 DR InterPro; IPR003594; ATPbind\_ATPase.  
 DR InterPro; IPR003937; CBFA\_NFYB\_topis.  
 DR InterPro; IPR001241; DNA\_topoisomI.  
 DR InterPro; IPR002205; DNA\_topoisomIV.  
 DR Pfam; PF00204; DNA\_gyraseB; 1.  
 DR Pfam; PF00521; DNA\_topoisomI; 1.  
 DR Pfam; PF02518; HATPase\_c; 1.  
 DR PRINTS; PR00615; CCAATSUBUNTA.  
 DR PRINTS; PR00418; TPI2FAMILY.  
 DR ProDom; PD000742; DNA\_topoisomIV; 1.  
 DR SMART; SM00387; HATPase\_c; 1.  
 DR SMART; SM00433; TOP2c; 1.  
 DR SMART; SM00434; TOP4c; 1.  
 DR PROSITE; PS00177; TOPOISOMERASE\_II; 1.  
 KW Isomerase; Topoisomerase; DNA-binding; ATP-binding; Phosphorylation;  
 KW Nuclear protein.  
 FT NP\_BIND 139 144 ATP (POTENTIAL).  
 FT ACT\_SITE 780 780 DNA CLEAVAGE (BY SIMILARITY).  
 SQ SEQUENCE 1406 AA; 161017 MW; 97A1CD6B49A5DD91 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 1406;  
 Best Local Similarity 45.5%; Pred. No. 5.2e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 Db 1357 EEVVPVRRRS 1367  
 RESULT 39  
 A10C\_HUMAN STANDARD; PRT; 1499 AA.  
 AC O60312; Q96914;  
 DT 30-MAY-2000 (Rel. 39, Created)  
 DT 15-JUN-2002 (Rel. 41, Last sequence update)  
 DT 15-JUN-2002 (Rel. 41, Last annotation update)  
 DE Potential phospholipid-transporting ATPase VC (EC 3.6.3.1) (ATPVC)  
 DE (Aminophospholipid translocase VC).  
 GN ATP10C OR ATPVC OR KIAA0566.

OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 OX NCBI\_TaxID=9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=21225279; PubMed=11326269;  
 RA Meguro M., Kashiwagi A., Mitsuya K., Nakao M., Kondo I., Saitoh S.,  
 RA Oshimura M.;  
 RT "A novel maternally expressed gene, ATP10C, encodes a putative  
 RT aminophospholipid translocase associated with Angelman syndrome.";  
 RL Nat. Genet. 28:19-20(2001).  
 CC -!- FUNCTION: CONTROL OF TOPOLOGICAL STATES OF DNA BY TRANSIENT  
 CC BREAKAGE AND SUBSEQUENT REJOINING OF DNA STRANDS. TOPOISOMERASE II  
 CC MAKES DOUBLE-STRAND BREAKS (BY SIMILARITY).  
 CC -!- CATALYTIC ACTIVITY: ATP-dependent breakage, passage and rejoining  
 CC of double-stranded DNA.  
 CC -!- SUBUNIT: HOMODIMER (BY SIMILARITY).  
 CC -!- SUBCELLULAR LOCATION: Nuclear (By similarity).  
 CC -!- MISCELLANEOUS: EUKARYOTIC TOPOISOMERASE I AND II CAN RELAX BOTH  
 CC NEGATIVE AND POSITIVE SUPERCOILS, WHEREAS PROKARYOTIC ENZYMES  
 CC RELAX ONLY NEGATIVE SUPERCOILS.  
 CC -!- SIMILARITY: BELONGS TO THE TYPE II TOPOISOMERASE FAMILY.  
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 CC  
 DR EMBL; AB051358; BAB47392.1; -  
 DR EMBL; AY029504; AAK33100.1; JOINED.  
 DR EMBL; AY029487; AAK33100.1; JOINED.  
 DR EMBL; AY029488; AAK33100.1; JOINED.  
 DR EMBL; AY029489; AAK33100.1; JOINED.  
 DR EMBL; AY029490; AAK33100.1; JOINED.  
 DR EMBL; AY029491; AAK33100.1; JOINED.  
 DR EMBL; AY029492; AAK33100.1; JOINED.  
 DR EMBL; AY029493; AAK33100.1; JOINED.  
 DR EMBL; AY029494; AAK33100.1; JOINED.  
 DR EMBL; AY029495; AAK33100.1; JOINED.  
 DR EMBL; AY029496; AAK33100.1; JOINED.  
 DR EMBL; AY029497; AAK33100.1; JOINED.  
 DR EMBL; AY029498; AAK33100.1; JOINED.  
 DR EMBL; AY029499; AAK33100.1; JOINED.  
 DR EMBL; AY029500; AAK33100.1; JOINED.  
 DR EMBL; AY029501; AAK33100.1; JOINED.  
 DR EMBL; AY029502; AAK33100.1; JOINED.  
 DR EMBL; AY029503; AAK33100.1; JOINED.  
 DR EMBL; AB011138; BAA25492.1; -  
 DR Genew; HGNC:13547; ATP10C.  
 DR MIM; 605855; -  
 DR MIM; 105830; -  
 DR InterPro; IPR001757; ATPase\_E1-E2.  
 DR InterPro; IPR001454; Hlgnaase/hydriase.  
 DR Pfam; PF00702; Hydrolase; 1.

```

DR PRINTS: PR00119; CATAPASE.
KW PROSITE; PS00154; ATPASE_E12; 1.
KW Hydrolase; Transmembrane; Phosphorylation; Magnesium; ATP-binding;
KW Multigene family.
FT DOMAIN 1 86
FT TRANSSEM 87 106
FT DOMAIN 107 110
FT TRANSSEM 111 128
FT DOMAIN 129 309
FT TRANSSEM 310 332
FT DOMAIN 337 362
FT TRANSSEM 363 384
FT DOMAIN 385 1087
FT TRANSSEM 1088 1108
FT DOMAIN 1109 1119
FT TRANSSEM 1120 1140
FT DOMAIN 1141 1170
FT TRANSSEM 1171 1192
FT DOMAIN 1193 1199
FT TRANSSEM 1200 1222
FT DOMAIN 1223 1249
FT TRANSSEM 1229 1250
FT DOMAIN 1250 1267
FT TRANSSEM 1268 1292
FT DOMAIN 1293 1499
FT MOD_RES 427 427
FT METAL 1031 1031
FT METAL 1035 1035
FT DOMAIN 467 470
FT CONFLICT 388 388
FT Q -> R (IN REF. 3).
SQ SEQUENCE 1499 AA; 167687 MW; D4996A4D0635A68D CRC64;

Query Match 100.0%; Score 31; DB 1; Length 1499;
Best Local Similarity 45.5%; Pred. NO. 5.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXXX 11
Db 469 EEVVPVGGSVS 479

RESULT 40
UVRA_CHLTR STANDARD; PRT; 1786 AA.
AC O84337;
DT 30-MAY-2000 (Rel. 39, Created)
DT 30-MAY-2000 (Rel. 39, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Excinuclease ABC subunit A.
GN UVRA OR CT333.
OS Chlamydia trachomatis.
OC Bacteria; Chlamydiales; Chlamydiaceae; Chlamydia.
OX NCBI_TaxID=813;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=D/UW-3/Cx;
RX MEDLINE=9900809; PubMed=9784136;
RA Stephens R.S., Kalman S., Lammel C.J., Fan J., Marathe R., Aravind L.,
RA Mitchell W.P., Olinger L., Tatusov R.L., Zhao Q., Koonin E.V.,
RA Davis R.W.;
RT "Genome sequence of an obligate intracellular pathogen of humans:
RT Chlamydia trachomatis.";
RL Science 282:754-759(1998).
CC -1- FUNCTION: THE ABC EXCISION NUCLEASE IS A DNA REPAIR ENZYME THAT
CC CATALYZES THE EXCISION REACTION OF UV-DAMAGED NUCLEOTIDE SEGMENTS
CC PRODUCING OLIGOMERS HAVING THE MODIFIED BASE(S). UVRA IS AN ATPASE
CC AND A DNA-BINDING PROTEIN THAT PREFERENTIALLY BINDS SINGLE-
CC STRANDED OR UV-IRRADIATED DOUBLE-STRANDED DNA (BY SIMILARITY).
CC -1- SUBUNIT: CONSISTS OF THREE SUBUNITS: UVRA, UVRB AND UVRC.
CC -1- SUBCELLULAR LOCATION: Cytoplasmic (by similarity).
CC -1- SIMILARITY: BELONGS TO THE ABC TRANSPORTER FAMILY. UVRA SUBFAMILY.
CC CONTAINS FOUR ABC DOMAINS.

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CC -----
DR EMBL; AE001306; AAC67928.1; -.
DR InterPro; IPR003439; ABC_transportr.
DR InterPro; IPR004602; UvrA.
DR Pfam; PF00005; ABC_tran; 2.
DR ProDom; PD000006; ABC_transportr; 1.
DR TIGRFAMs; TIGR00630; uvrA; 1.
DR PROSITE; PS00211; ABC_TRANSPORTER; FALSE_NEG.
KW SOS response; Excision nuclease; DNA repair; ATP-binding; Repeat;
KW DNA-binding; zinc-finger; Complete proteome.
FT NP_BIND 32 39
FT NP_BIND 625 632
FT NP_BIND 964 971
FT NP_BIND 1516 1523
FT ZN_FING 719 742
FT ZN_FING 1602 1628
FT C4-TYPE.
SQ SEQUENCE 1786 AA; 196948 MW; 02D6862EE15DE070 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 1786;
Best Local Similarity 45.5%; Pred. NO. 6.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXXX 11
Db 178 EEVVPVHRLT 188

RESULT 41
POLG_BCMVN STANDARD; PRT; 3066 AA.
ID POLG_BCMVN
AC Q65399;
DT 15-DEC-1998 (Rel. 37, Created)
DT 15-DEC-1998 (Rel. 37, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Genome polyprotein [Contains: N-terminal protein (P1); 6 kDa
DE component proteinase (EC 3.4.22.45) (HC-PRO); Protein P3; 6 kDa
DE protein 1 (6K1); Cytoplasmic inclusion protein (CI); 6 kDa-protein 2
DE (6K2); Genome-linked protein (VPG); Nuclear inclusion protein A (NI-A)
DE (NIA) (EC 3.4.22.44) (49 kDa proteinase) (49 kDa-PRO); Nuclear
DE inclusion protein B (NI-B) (NIB) (RNA-directed RNA polymerase)
DE (EC 2.7.7.48); Coat protein (CP)].
OS Bean common mosaic virus (strain NL-3 / Michigan) (BCMV).
OC Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae;
OC Potyvirus.
OX NCBI_TaxID=12196;
RN [1]
RP SEQUENCE FROM N.A.
RC MEDLINE=96191623; PubMed=8607279;
RA Fang G.W., Allison R.F., Zambolin E.M., Maxwell D.P., Gilbertson R.L.;
RT "The complete nucleotide sequence and genome organization of bean
RL common mosaic virus (NL3 strain).";
RL Virus Res. 39:13-23(1995).
CC -1- FUNCTION: HELPER COMPONENT-PROTEINASE IS REQUIRED FOR APHID
CC TRANSMISSION AND ALSO HAS PROTEOLYTIC ACTIVITY.
CC -1- FUNCTION: CYTOPLASMIC INCLUSION PROTEIN HAS HELICASE ACTIVITY. IT
CC MAY BE INVOLVED IN REPLICATION.
CC -1- FUNCTION: NUCLEAR INCLUSION PROTEIN A HAS PROTEOLYTIC ACTIVITY.
CC -1- CATALYTIC ACTIVITY: Hydrolyzes glutamyl bonds, and activity is
CC further restricted by preferences for the amino acids in p6 - p1',
CC that vary with the species of potyvirus, e.g. Glu-Xaa-Tyr-Xaa-
CC Gln+(Ser or Gly) for the enzyme from tobacco etch virus. The
CC natural substrate is the viral polyprotein, but other proteins and
CC oligopeptides containing the appropriate consensus sequence are
CC also cleaved.
CC -1- CATALYTIC ACTIVITY: N nucleoside triphosphate = N diphosphate +
CC [RNA](N).

```

CC -!- CATALYTIC ACTIVITY: Hydrolyzes a Gly-I-Gly bond at its own C-terminus, commonly in the sequence -Tyr-Xaa-Val-Gly-I-Gly, in the processing of the potyviral polyprotein.

CC -!- PTM: VPG IS COVALENTLY LINKED TO THE GENOMIC RNA.

CC -!- PTM: THE VIRAL RNA OF POTYVIRUSES IS EXPRESSED AS A SINGLE POLYPEPTIDE WHICH UNDERGOES POSTTRANSLATIONAL PROTEOLYTIC PROCESSING RESULTING IN THE PRODUCTION OF AT LEAST EIGHT INDIVIDUAL PROTEINS.

CC -!- SIMILARITY: HC PROTEINASE BELONGS TO PEPTIDASE FAMILY C6.

CC -!- SIMILARITY: NI-A PROTEINASE BELONGS TO PEPTIDASE FAMILY C4.

CC -!- SIMILARITY: BELONGS TO THE POTYVIRUSES POLYPEPTIDE FAMILY.

CC -----

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CC -----

CC EMBL; U19287; AAB02170.1; -.

CC DR MEROPS; C04.003; -.

CC DR MEROPS; C06.001; -.

CC DR MEROPS; S30.001; -.

CC DR InterPro; IPR001410; DEAD.

CC DR InterPro; IPR001650; Helicase\_C.

CC DR InterPro; IPR001730; Peptidase\_C4.

CC DR InterPro; IPR001456; Peptidase\_C6.

CC DR InterPro; IPR002540; Poty\_P1.

CC DR InterPro; IPR001592; Poty\_coat.

CC DR InterPro; IPR001205; RNA\_pol\_P3D.

CC DR InterPro; IPR001254; Ser\_protease\_Try.

CC DR Pfam; PF00271; helicase\_C; 1.

CC DR Pfam; PF00680; RNA\_dep\_RNA\_pol; 1.

CC DR Pfam; PF00767; Poty\_coat; 1.

CC DR Pfam; PF00851; Peptidase\_C6; 1.

CC DR Pfam; PF00863; Peptidase\_C4; 1.

CC DR Pfam; PF01577; Poty\_P1; 1.

CC DR PRINTS; SM00487; DEXDC; 1.

CC DR SMART; SM00490; HELIC; 1.

CC DR Hydrolase; Transferase; Thiol protease; RNA-directed RNA polymerase; Coat protein; Polyprotein; Covalent protein-RNA linkage; Helicase; ATP-binding.

CC KW CHAIN 1 ? N-TERMINAL PROTEIN.

CC FT CHAIN ? ? HELPER COMPONENT PROTEINASE.

CC FT CHAIN ? ? PROTEIN P3.

CC FT CHAIN ? ? 6 KDA PROTEIN 1.

CC FT CHAIN ? ? CYTOPLASMIC INCLUSION PROTEIN.

CC FT CHAIN ? ? 6 KDA PROTEIN 2.

CC FT CHAIN ? ? GENOME-LINKED PROTEIN.

CC FT CHAIN ? ? NUCLEAR INCLUSION PROTEIN A.

CC FT CHAIN ? ? NUCLEAR INCLUSION PROTEIN B.

CC FT CHAIN ? ? COAT PROTEIN.

CC FT CHAIN ? 3066

CC FT NP\_BIND 1258 1265 ATP (POTENTIAL).

CC SQ SEQUENCE 3066 AA; 350385 MW; E358955297FA3F59 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 3066;

Best Local Similarity 45.5%; Pred. No. 1.2e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVWPXXXXX 11

DB 541 EEVWPSEGVKK 551

RESULT 42

POLG SBMVG

ID POLG SBMVG STANDARD; PRT; 3066 AA.

AC Q9069;

DT 15-DEC-1998 (Rel. 37, Created)

DT 15-DEC-1998 (Rel. 37, Last sequence update)

DT 15-JUN-2002 (Rel. 41, Last annotation update)

DE Genome polyprotein [Contains: N-terminal protein (P1); Helper component proteinase (EC 3.4.22.45) (HC-Pro); Protein p3; 6 kDa protein 1 (6K1); Cytoplasmic inclusion protein (CI); 6 kDa protein 2 (6K2); Genome-linked protein (VPG); Nuclear inclusion protein A (NI-A) (NIA) (EC 3.4.22.44) (49 kDa proteinase) (49 kDa-Pro); Nuclear inclusion protein B (NI-B) (NIB) (RNA-directed RNA polymerase) (EC 2.7.7.48); Coat protein (CP)].

OS Soybean mosaic virus (strain G2) (SMV).

CC Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae; Potyvirus

CC NCBI\_Taxid-103931;

OX [1]

RP SEQUENCE FROM N.A.

RX MEDLINE-92356085; PubMed-1645142;

RA Jayaram C., Hill J.H., Miller W.A.;

RT "Complete nucleotide sequences of two soybean mosaic virus strains differentiated by response of soybean containing the Rsv resistance gene.";

RL J. Gen. Virol. 73:2067-2077(1992).

CC -!- FUNCTION: Helper component-proteinase is required for aphid transmission and also has proteolytic activity.

CC -!- FUNCTION: Cytoplasmic inclusion protein has helicase activity. It may be involved in replication.

CC -!- FUNCTION: Nuclear inclusion protein A has proteolytic activity.

CC -!- CATALYTIC ACTIVITY: Hydrolyzes a Gly-I-Gly bond at its own C-terminus, commonly in the sequence -Tyr-Xaa-Val-Gly-I-Gly, in the processing of the potyviral polyprotein.

CC -!- CATALYTIC ACTIVITY: Hydrolyzes glutamyl bonds, and activity is further restricted by preferences for the amino acids in P6 - P1, that vary with the species of potyvirus, e.g. Glu-Xaa-Xaa-Tyr-Xaa-Gln+(Ser or Gly) for the enzyme from tobacco etch virus. The natural substrate is the viral polyprotein, but other proteins and oligopeptides containing the appropriate consensus sequence are also cleaved.

CC -!- CATALYTIC ACTIVITY: N nucleoside triphosphate - N diphosphate + [RNA](N).

CC -!- PTM: VPG IS COVALENTLY LINKED TO THE GENOMIC RNA.

CC -!- PTM: THE VIRAL RNA OF POTYVIRUSES IS EXPRESSED AS A SINGLE POLYPEPTIDE WHICH UNDERGOES POSTTRANSLATIONAL PROTEOLYTIC PROCESSING RESULTING IN THE PRODUCTION OF AT LEAST EIGHT INDIVIDUAL PROTEINS.

CC -!- SIMILARITY: HC PROTEINASE BELONGS TO PEPTIDASE FAMILY C6.

CC -!- SIMILARITY: NI-A PROTEINASE BELONGS TO PEPTIDASE FAMILY C4.

CC -!- SIMILARITY: BELONGS TO THE POTYVIRUSES POLYPEPTIDE FAMILY.

CC -----

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CC -----

CC EMBL; S42280; AAB22819.2; -.

CC DR MEROPS; C04.003; -.

CC DR MEROPS; C06.001; -.

CC DR InterPro; IPR001410; DEAD.

CC DR InterPro; IPR001650; Helicase\_C.

CC DR InterPro; IPR001730; Peptidase\_C4.

CC DR InterPro; IPR001456; Peptidase\_C6.

CC DR InterPro; IPR002540; Poty\_P1.

CC DR InterPro; IPR001592; Poty\_coat.

CC DR InterPro; IPR001205; RNA\_pol\_P3D.

CC DR InterPro; IPR001254; Ser\_protease\_Try.

CC DR Pfam; PF00271; helicase\_C; 1.

CC DR Pfam; PF00680; RNA\_dep\_RNA\_pol; 1.

CC DR Pfam; PF00767; Poty\_coat; 1.

CC DR Pfam; PF00851; Peptidase\_C6; 1.

CC DR Pfam; PF00863; Peptidase\_C4; 1.

CC DR Pfam; PF01577; Poty\_P1; 1.

CC DR PRINTS; SM00487; DEXDC; 1.

CC DR SMART; SM00490; HELIC; 1.

```

KW Hydrolase; Transferase; Thiol protease; RNA-directed RNA polymerase;
KW Coat protein; Polyprotein; Covalent protein-RNA linkage; Helicase;
KW ATP-binding.
FT CHAIN 1 ? N-TERMINAL PROTEIN.
FT CHAIN 2 ? HELPER COMPONENT PROTEINASE.
FT CHAIN 3 ? PROTEIN P3.
FT CHAIN 4 ? 6 KDA PROTEIN 1.
FT CHAIN 5 ? CYTOPLASMIC INCLUSION PROTEIN.
FT CHAIN 6 ? 6 KDA PROTEIN 2.
FT CHAIN 7 ? GENOME-LINKED PROTEIN.
FT CHAIN 8 ? NUCLEAR INCLUSION PROTEIN A.
FT CHAIN 9 ? NUCLEAR INCLUSION PROTEIN B.
FT CHAIN 10 ? COAT PROTEIN.
FT NP_BIND 1249 1256 ATP (POTENTIAL).
FT SEQUENCE 3066 AA; 349538 MW; 2188A79D8D155399 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 3066;
Best Local Similarity 45.5%; Pred. No. 1.2e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 532 EEVVPSEGYSK 542

RESULT 43
POLG_SBMVN STANDARD; PRT; 3066 AA.
AC P21231;
DT 01-MAY-1991 (Rel. 18, Created)
DT 15-JUN-2002 (Rel. 41, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Genome polyprotein [Contains: N-terminal protein (P1); Helper
DE component proteinase (EC 3.4.22.45) (HC-pro); Protein P3; 6 kDa
DE protein 1 (6K1); Cytoplasmic inclusion protein (CI); 6 kDa protein 2
DE (6K2); Genome-linked protein (VPG); Nuclear inclusion protein A (NI-A)
DE (NIA) (EC 3.4.22.44) (49 kDa proteinase) (49 kDa-Pro); Nuclear
DE inclusion protein B (NI-B) (NIB) (RNA-directed RNA polymerase)
DE (EC 2.7.7.48); Coat protein (CP)].
OS Soybean mosaic virus (strain N) (SMV).
OC Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae;
OC Potyvirus.
OC NCBI_TaxID=12223;
RN [1]
RP SEQUENCE FROM N.A.
RA Eggenberger A.L., Beachy R.N., Hill J.H.;
RT "Two genes of soybean mosaic virus are involved in the interaction
RT with the Rsv1 resistance allele of soybean.";
RL Submitted (DEC-2000) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE OF 2764-3066 FROM N.A., AND SEQUENCE OF 2845-2859.
RX MEDLINE=89293090; PubMed=2661723;
RA Eggenberger A.L., Stark D.M., Beachy R.N.;
RT "The nucleotide sequence of a soybean mosaic virus coat
RT protein-coding region and its expression in Escherichia coli,
RT Agrobacterium tumefaciens and tobacco callus.";
RL J. Gen. Virol. 70:1853-1860(1989).
CC -!- FUNCTION: Helper component-proteinase is required for aphid
CC transmission and also has proteolytic activity (By similarity).
CC -!- FUNCTION: Cytoplasmic inclusion protein has helicase activity. It
CC may be involved in replication (By similarity).
CC -!- FUNCTION: Nuclear inclusion protein A has proteolytic activity (By
CC similarity).
CC -!- CATALYTIC ACTIVITY: Hydrolyzes a Gly-I-Gly bond at its own C-
CC terminus, commonly in the sequence -Tyr-Xaa-Val-Gly-I-Gly, in the
CC processing of the potyviral polyprotein.
CC -!- CATALYTIC ACTIVITY: Hydrolyses glutamyl bonds, and activity is
CC further restricted by preferences for the amino acids in P6 - P1'
CC that vary with the species of potyvirus, e.g. Glu-Xaa-Xaa-Tyr-Xaa-
CC Gln-(Ser or Gly) for the enzyme from tobacco etch virus. The
CC natural substrate is the viral polyprotein, but other proteins and
CC oligopeptides containing the appropriate consensus sequence are
CC also cleaved.

```

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CC -!- CATALYTIC ACTIVITY: N nucleoside triphosphate - N diphosphate +
CC {RNA}(N).
CC -!- PTM: VPG is covalently linked to the genomic RNA.
CC -!- PTM: THE VIRAL RNA OF POTYVIRUSES IS EXPRESSED AS A SINGLE
CC POLYPROTEIN WHICH UNDERGOES POSTTRANSLATIONAL PROTEOLYTIC
CC PROCESSING RESULTING IN THE PRODUCTION OF AT LEAST EIGHT
CC INDIVIDUAL PROTEINS.
CC -!- SIMILARITY: HC PROTEINASE BELONGS TO PEPTIDASE FAMILY C6.
CC -!- SIMILARITY: NI-A PROTEINASE BELONGS TO PEPTIDASE FAMILY C4.
CC -!- SIMILARITY: BELONGS TO THE POTYVIRUSES POLYPROTEIN FAMILY.
CC -----
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CC use by non-profit institutions as long as its content is in no way
CC modified and this statement is not removed. Usage by and for commercial
CC entities requires a license agreement (See http://www.isb-sib.ch/announce/
CC or send an email to license@isb-sib.ch).
CC -----
CC EMBL; D00507; BAA00398.2; -.
CC PIR; PS0081; PS0081.
CC InterPro; IPR001205; RNA_pol_P3D.
CC InterPro; IPR001410; DEAD.
CC InterPro; IPR001456; Peptidase_C6.
CC InterPro; IPR001592; Poty_Coat.
CC InterPro; IPR001650; Helicase_C.
CC InterPro; IPR001730; Peptidase_C4.
CC InterPro; IPR002540; Poty_P1.
CC Pfam; PF00271; helicase_C; 1.
CC Pfam; PF00680; RNA_dep_RNA_pol; 1.
CC Pfam; PF00767; Poty_Coat; 1.
CC Pfam; PF00851; Peptidase_C6; 1.
CC Pfam; PF00863; Peptidase_C4; 1.
CC Pfam; PF01577; Poty_P1; 1.
CC PRINTS; PR00966; NIAPOTVPTASE.
CC SMART; SM00487; DEXDC; 1.
CC SMART; SM00490; HELICC; 1.
KW Hydrolase; Transferase; Thiol protease; RNA-directed RNA polymerase;
KW Coat protein; Polyprotein; Covalent protein-RNA linkage; Helicase;
KW ATP-binding.
FT CHAIN 1 302 N-TERMINAL PROTEIN (BY SIMILARITY).
FT CHAIN 303 765 HELPER COMPONENT PROTEINASE (BY
FT SIMILARITY).
FT CHAIN 766 ? PROTEIN P3 (BY SIMILARITY).
FT CHAIN ? 1164 6 KDA PROTEIN 1 (BY SIMILARITY).
FT CHAIN 1165 1798 CYTOPLASMIC INCLUSION PROTEIN (BY
FT SIMILARITY).
FT CHAIN 1799 1851 6 KDA PROTEIN 2 (BY SIMILARITY).
FT CHAIN 1852 2041 GENOME-LINKED PROTEIN (BY SIMILARITY).
FT CHAIN 2042 2284 NUCLEAR INCLUSION PROTEIN A (BY
FT SIMILARITY).
FT CHAIN 2285 2801 NUCLEAR INCLUSION PROTEIN B (BY
FT SIMILARITY).
FT CHAIN 2802 3066 COAT PROTEIN (BY SIMILARITY).
FT NP_BIND 1249 1256 ATP (POTENTIAL).
FT CONFLICT 2764 2764 A -> L (IN REF. 2).
FT SEQUENCE 3066 AA; 349841 MW; 394149153DD5328F CRC64;

Query Match 100.0%; Score 31; DB 1; Length 3066;
Best Local Similarity 45.5%; Pred. No. 1.2e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 532 EEVVPSEGYSK 542

RESULT 44
POLG_PEMVM STANDARD; PRT; 3099 AA.
ID POLG_PEMVM
AC O56075;
DT 15-JUL-1999 (Rel. 38, Created)
DT 15-JUL-1999 (Rel. 38, Last sequence update)

```

15-JUN-2002 (Rel. 41, Last annotation update)  
 DE Genome polyprotein [Contents: N-terminal protein (P1); Helper  
 DE component proteinase (EC 3.4.22.45) (HC-Pro); Protein P3; 6 kDa  
 DE protein 1 (6K1); Cytoplasmic inclusion protein (CI); 6 kDa protein 2  
 DE (6K2); Genome-linked protein (VPG); Nuclear inclusion protein A (NI-A)  
 DE (NIA) (EC 3.4.22.44) (49 kDa proteinase) (49 kDa-Pro); Nuclear  
 DE inclusion protein B (NI-B) (NIB) (RNA-directed RNA polymerase) (EC  
 DE 2.7.7.48); Coat protein (CP)].  
 OS Peanut mottle virus (strain M).  
 OS Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae;  
 OC Potyvirus.  
 OC NCBI\_TaxID=103926;  
 RN SEQUENCE FROM N.A.  
 RA Flasinaki S., Gonzales R.A., Cassidy B.G.;  
 RT "The complete nucleotide sequence of peanut mottle virus (M strain)  
 RL genomic RNA.";  
 CC Submitted (SEP-1997) to the EMBL/GenBank/DBJ databases.  
 CC -!- FUNCTION: HELPER COMPONENT-PROTEINASE IS REQUIRED FOR APHID  
 CC TRANSMISSION AND ALSO HAS PROTEOLYTIC ACTIVITY.  
 CC -!- FUNCTION: CYTOPLASMIC INCLUSION PROTEIN HAS HELICASE ACTIVITY. IT  
 CC MAY BE INVOLVED IN REPLICATION.  
 CC -!- FUNCTION: NUCLEAR INCLUSION PROTEIN A HAS PROTEOLYTIC ACTIVITY.  
 CC -!- CATALYTIC ACTIVITY: Hydrolyzes glutamyl bonds, and activity is  
 CC further restricted by preferences for the amino acids in P6 - P1,  
 CC that vary with the species of potyvirus, e.g. Glu-Xaa-Xaa-Tyr-Xaa-  
 CC Gln-(Ser or Gly) for the enzyme from tobacco etch virus. The  
 CC natural substrate is the viral polyprotein, but other proteins and  
 CC oligopeptides containing the appropriate consensus sequence are  
 CC also cleaved.  
 CC -!- CATALYTIC ACTIVITY: N nucleoside triphosphate = N diphosphate +  
 CC [RNA] (N).  
 CC -!- CATALYTIC ACTIVITY: Hydrolyzes a Gly-I-Gly bond at its own C-  
 CC terminus, commonly in the sequence -Tyr-Xaa-Val-Gly-I-Gly, in the  
 CC processing of the potyviral polyprotein.  
 CC -!- PTM: VPG IS COVALENTLY LINKED TO THE GENOMIC RNA.  
 CC -!- PTM: THE VIRAL RNA OF POTYVIRUSES IS EXPRESSED AS A SINGLE  
 CC POLYPEPTIDE WHICH UNDERGOES POSTTRANSLATIONAL PROTEOLYTIC  
 CC PROCESSING RESULTING IN THE PRODUCTION OF AT LEAST EIGHT  
 CC INDIVIDUAL PROTEINS.  
 CC -!- SIMILARITY: HC PROTEINASE BELONGS TO PEPTIDASE FAMILY C6.  
 CC -!- SIMILARITY: NI-A PROTEINASE BELONGS TO PEPTIDASE FAMILY C4.  
 CC -!- SIMILARITY: BELONGS TO THE POTYVIRUSES POLYPEPTIDE FAMILY.  
 CC -----  
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 CC -----  
 CC EMBL: AF023848; AAB94595.1;  
 CC MEROPS: S30.001;  
 CC InterPro: IPR001410; DEAD.  
 CC InterPro: IPR001650; Helicase\_C.  
 CC InterPro: IPR001730; Peptidase\_C4.  
 CC InterPro: IPR001456; Peptidase\_C6.  
 CC InterPro: IPR002540; Poty\_P1.  
 CC InterPro: IPR001592; Poty\_coat.  
 CC InterPro: IPR001205; RNA\_pol\_P3D.  
 CC InterPro: IPR001254; Ser\_protease\_Try.  
 CC Pfam: PF00271; helicase\_C; 1.  
 CC Pfam: PF00680; RNA\_dep\_RNA\_pol; 1.  
 CC Pfam: PF00767; Poty\_coat; 1.  
 CC Pfam: PF00851; Peptidase\_C6; 1.  
 CC Pfam: PF00863; Peptidase\_C4; 1.  
 CC Pfam: PF01577; Poty\_P1; 1.  
 CC PRINTS: PR00966; NIAPOTYPTASE.  
 CC SMART: SM00487; DEXDC; 1.  
 CC SMART: SM00490; HELIC; 1.  
 CC Hydrolase; Transferase; Thiol protease; RNA-directed RNA polymerase;  
 KW Coat protein; Polyprotein; Covalent protein-RNA linkage; Helicase;

KW ATP-binding. 1 322 N-TERMINAL PROTEIN.  
 FT CHAIN 323 779 HELPER COMPONENT PROTEINASE.  
 FT CHAIN 780 1128 PROTEIN P3.  
 FT CHAIN 1129 1180 6 KDA PROTEIN 1.  
 FT CHAIN 1181 1814 CYTOPLASMIC INCLUSION PROTEIN.  
 FT CHAIN 1815 1867 6 KDA PROTEIN 2.  
 FT CHAIN 1868 ? GENOME-LINKED PROTEIN.  
 FT CHAIN ? 2303 NUCLEAR INCLUSION PROTEIN A.  
 FT CHAIN 2304 2821 NUCLEAR INCLUSION PROTEIN B.  
 FT CHAIN 2822 3099 COAT PROTEIN.  
 FT CHAIN 1868 2303 PUTATIVE NUCLEAR INCLUSION PROTEIN A.  
 FT NP\_BIND 1265 1272 ATP (POTENTIAL).  
 SQ SEQUENCE 3099 AA; 351032 MW; 0D8E9FC7603FOA4B CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 3099;  
 Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 DB 546 EEVPPGGYKK 556  
 RESULT 45  
 ID DYHA\_CHLRE STANDARD; PRT; 4499 AA.  
 AC Q39610;  
 DT 01-NOV-1997 (Rel. 35, Created)  
 DT 16-OCT-2001 (Rel. 40, Last sequence update)  
 DT 16-OCT-2001 (Rel. 40, Last annotation update)  
 DE Dynein alpha chain, flagellar outer arm (DHC alpha).  
 GN ODA11 OR ODA-11.  
 OS Chlamydomonas reinhardtii.  
 OC Eukaryota; Viridiplantae; Chlorophyta; Chlorophyceae; Volvocales;  
 OC Chlamydomonadaceae; Chlamydomonas.  
 OX NCBI\_TaxID=3055;  
 RN [1]  
 RP SEQUENCE FROM N.A., AND REVISIONS.  
 RC STRAIN-21gr;  
 RX MEDLINE=97329535; PubMed=9186009;  
 RA Mitchell D.R., Brown K.S.;  
 RT "Sequence analysis of the Chlamydomonas reinhardtii flagellar alpha  
 RT dynein gene."  
 RL Cell Motil. Cytoskeleton 37:120-126(1997).  
 RN [2]  
 RP SEQUENCE OF 1142-4499 FROM N.A.  
 RC STRAIN-21gr;  
 RX MEDLINE=94274778; PubMed=8006077;  
 RA Mitchell D.R., Brown K.S.;  
 RT "Sequence analysis of the Chlamydomonas alpha and beta dynein heavy  
 RT chain genes."  
 RL J. Cell Sci. 107:635-644(1994).  
 CC -!- FUNCTION: FORCE GENERATING PROTEIN OF EUKARYOTIC CILIA AND  
 CC FLAGELLA. PRODUCES FORCE TOWARDS THE MINUS ENDS OF MICROTUBULES.  
 CC DYNEIN HAS ATPASE ACTIVITY.  
 CC -!- SUBUNIT: CONSISTS OF AT LEAST 3 HEAVY CHAINS (ALPHA, BETA AND  
 CC GAMMA), 2 INTERMEDIATE CHAINS AND 8 LIGHT CHAINS.  
 CC -!- SIMILARITY: BELONGS TO THE DYNEIN HEAVY CHAIN FAMILY.  
 CC -----  
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 CC -----  
 CC EMBL: L26049; AAA57316.2;  
 DR InterPro: IPR003593; AAA\_ATPase.  
 DR InterPro: IPR004273; Dynein\_heavy.  
 DR InterPro: IPR001298; Filamin.  
 DR InterPro: IPR002909; IPT\_TIG.

DR InterPro; IPR001798; Kelch.  
 DR Pfam; PF00630; Filamin; 1.  
 DR Pfam; PF01344; Kelch; 8.  
 DR Pfam; PF01833; TIG; 1.  
 DR Pfam; PF03028; Dynein\_heavy; 1.  
 DR SMART; SM00382; AAA; 3.  
 DR SMART; SM00429; IPT; 1.  
 DR PROSITE; PS50194; FILAMIN\_REPEAT; 1.  
 KW Motor protein; Microtubules; Dynein; ATP-binding; Flagella;  
 KW Coiled coil.  
 FT REPEAT 425 534 FILAMIN.  
 FT DOMAIN 1261 1334 COILED COIL (POTENTIAL).  
 FT DOMAIN 1382 1450 COILED COIL (POTENTIAL).  
 FT DOMAIN 1836 1864 MICROTUBULE-BINDING (POTENTIAL).  
 FT DOMAIN 2655 2688 COILED COIL (POTENTIAL).  
 FT DOMAIN 3003 3023 COILED COIL (POTENTIAL).  
 FT DOMAIN 3170 3262 COILED COIL (POTENTIAL).  
 FT DOMAIN 3486 3515 COILED COIL (POTENTIAL).  
 FT NP\_BIND 1716 1723 ATP (POTENTIAL).  
 FT NP\_BIND 2019 2026 ATP (POTENTIAL).  
 FT NP\_BIND 2369 2376 ATP (POTENTIAL).  
 FT NP\_BIND 2717 2754 ATP (POTENTIAL).  
 SQ SEQUENCE 4499 AA; 503606 MW; 319AC7FD30F1591A CRC64;

Query Match 100.0%; Score 31; DB 1; Length 4499;  
 Best Local Similarity 45.5%; Pred. No. 1.9e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 1493 EEVVGRRPKA 1503

Search completed: May 29, 2003, 16:57:06  
 Job time : 11 secs



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OM protein - protein search, using sw model

Run on: May 29, 2003, 16:56:39 ; Search time 35 Seconds  
(without alignments)  
41.879 Million cell updates/sec

Title: AUDET-909164-5

Perfect score: 31

Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX

Gapop 10.0 , Gapext 0.5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters: 164

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%

Maximum Match 100%

Listing first 600 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
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4	31	100.0	11	23	ABB80524
5	31	100.0	11	23	ABB80525
6	31	100.0	11	23	ABB80526
7	31	100.0	11	23	ABB80527
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9	31	100.0	11	23	ABB80529
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12	31	100.0	11	23	ABB80532	Hepatitis C virus
13	31	100.0	11	23	ABB80533	Hepatitis C virus
14	31	100.0	11	23	ABB80534	Hepatitis C virus
15	31	100.0	11	23	ABB80535	Hepatitis C virus
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41	31	100.0	11	23	ABB80561	Hepatitis C virus
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49	31	100.0	25	23	ABG62372	Epibacterial DNA po
50	31	100.0	51	20	AAV12634	Human 5' EST seque
51	31	100.0	52	20	ABP08046	Human ORFX protein
52	31	100.0	61	22	AAW96516	Human reproductive
53	31	100.0	99	22	AB843881	Peptide #11387 enc
54	31	100.0	99	22	AB826804	Protein #8803 enco
55	31	100.0	99	22	AAW64869	Human brain expres
56	31	100.0	99	22	AAW77607	Human bone marrow
57	31	100.0	99	22	AAW21534	Peptide #7968 enco
58	31	100.0	99	22	AAW37801	Peptide #11838 enc
59	31	100.0	99	23	ABG46642	Human peptide enco
60	31	100.0	113	22	AAU46759	Protonibacterium
61	31	100.0	115	23	ABF38069	Staphylococcus epi
62	31	100.0	117	21	AAW40460	Human ORFX ORF224
63	31	100.0	120	19	AAW69418	Protein encoded by
64	31	100.0	121	19	AAW75228	Human secreted pro
65	31	100.0	121	19	AAW75212	Human secreted pro
66	31	100.0	121	20	AAW97213	A human znurok1 p
67	31	100.0	121	20	AAW74413	HPMB091 protein se
68	31	100.0	121	22	AAW82380	Human neurokinin B
69	31	100.0	122	20	AAW96144	Human preprotachyk
70	31	100.0	135	21	AAW33445	Human PRO1155 prot
71	31	100.0	135	21	AAW66739	Membrane-bound pro
72	31	100.0	135	22	AAU29245	Human PRO polypept
73	31	100.0	135	22	AAW65262	Human PRO1155 (UNQ
74	31	100.0	135	23	ABW95507	Human angiogenesis
75	31	100.0	135	23	ABB84901	Human PRO1155 prot
76	31	100.0	135	23	AAW83645	Human PRO protein, B
77	31	100.0	137	22	ABW11878	Human OREX protein
78	31	100.0	137	23	ABP02413	Human OREX protein
79	31	100.0	178	22	ABB27744	Human peptide #395
80	31	100.0	178	22	ABB27746	Human peptide #397
81	31	100.0	178	22	ABB32915	Peptide #421 enco
82	31	100.0	178	22	ABB32917	Peptide #421 enco
83	31	100.0	178	22	ABB18396	Protein #395 enco

84	31	100.0	178	22	AAM53718	Human brain expres	157	31	100.0	2012	22	ABG02199	Novel human diagno
85	31	100.0	178	22	AAM66101	Human bone marrow	158	31	100.0	2594	16	AAW14748	IgG-Fc binding pro
86	31	100.0	178	22	AAM13970	Peptide #404 encod	159	31	100.0	2639	20	AAW73476	Grapevine leafroll
87	31	100.0	178	22	AAM13972	Peptide #406 encod	160	31	100.0	2957	22	ABG22214	Novel human diagno
88	31	100.0	178	22	AAM26376	Peptide #413 encod	161	31	100.0	3263	22	ABG67210	Drosophila melanog
89	31	100.0	178	22	AAM26378	Peptide #415 encod	162	31	100.0	5405	16	AAW14749	IgG-Fc binding pro
90	31	100.0	178	23	ABG35749	Human peptide enco	163	31	100.0	6815	22	ABG66811	Drosophila melanog
91	31	100.0	178	23	ABG35751	Human peptide enco	164	31	100.0	7337	22	ABG22216	Novel human diagno
92	31	100.0	181	22	ABG29466	Novel human diagno							
93	31	100.0	201	21	AAG50789	Arabidopsis thalia							
94	31	100.0	205	7	AAP60582	P. falciptarum pept							
95	31	100.0	206	21	AG50788	Arabidopsis thalia							
96	31	100.0	212	21	AG30656	Arabidopsis thalia							
97	31	100.0	221	22	AAG39800	Propionibacterium							
98	31	100.0	228	22	AAG87110	Novel central nerv							
99	31	100.0	228	22	AAG23151	Novel human enzyme							
100	31	100.0	273	21	AAG34992	Arabidopsis thalia							
101	31	100.0	281	23	AAO18224	Human Bcl-Rambo BH							
102	31	100.0	284	21	AG50787	Arabidopsis thalia							
103	31	100.0	288	21	AG34991	Arabidopsis thalia							
104	31	100.0	292	21	AAG16068	Arabidopsis thalia							
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110	31	100.0	409	22	ABG2674	Arabidopsis thalia							
111	31	100.0	419	22	AAB96505	Drosophila melanog							
112	31	100.0	449	22	ABG66828	Putative P. abyssi							
113	31	100.0	454	23	AAE23035	Drosophila melanog							
114	31	100.0	454	23	ABG7441	Human thioresoxin,							
115	31	100.0	481	23	AAO18220	Novel human protei							
116	31	100.0	485	22	AAO18221	Human Bcl-Rambo BH							
117	31	100.0	485	23	AAO18225	Human polypeptide							
118	31	100.0	492	22	ABG4792	Human Bcl-Rambo.							
119	31	100.0	506	22	ABG12505	Human protein sequ							
120	31	100.0	508	22	ABG18772	Novel human diagno							
121	31	100.0	527	22	AAU64492	Novel human diagno							
122	31	100.0	564	22	ABG26669	Propionibacterium							
123	31	100.0	600	22	ABG63003	Novel human diagno							
124	31	100.0	604	23	AAE18106	Drosophila melanog							
125	31	100.0	608	22	ABG08671	Human nucleoside p							
126	31	100.0	622	14	AAE38888	Novel human diagno							
127	31	100.0	655	22	ABG61622	Sequence encoded b							
128	31	100.0	729	14	AAE41753	Drosophila melanog							
129	31	100.0	730	14	AAE41543	Catalase-R. Asper							
130	31	100.0	739	22	AAE93207	Aspergillus niger							
131	31	100.0	748	22	AAE40225	Human polypeptide,							
132	31	100.0	755	22	ABG04875	Human polypeptide							
133	31	100.0	765	22	ABG70099	Novel human diagno							
134	31	100.0	766	21	AAE43831	Drosophila melanog							
135	31	100.0	766	23	ABP41543	Human cancer assoc							
136	31	100.0	794	22	ABG68419	Human ovarian anti							
137	31	100.0	840	22	ABE12427	Drosophila melanog							
138	31	100.0	882	22	ABG06046	Human bone marrow							
139	31	100.0	887	22	ABG23361	Novel human diagno							
140	31	100.0	905	22	ABG57827	Novel human diagno							
141	31	100.0	932	22	ABG65256	Drosophila melanog							
142	31	100.0	941	22	ABG63925	Drosophila melanog							
143	31	100.0	1004	21	ABG38945	Drosophila melanog							
144	31	100.0	1070	22	AAU14378	Arabidopsis thalia							
145	31	100.0	1083	21	AG38944	Human novel protei							
146	31	100.0	1111	22	ABG23360	Arabidopsis thalia							
147	31	100.0	1194	22	AAU14142	Novel human diagno							
148	31	100.0	1207	21	AG38943	Human novel protei							
149	31	100.0	1224	20	ABG36851	Arabidopsis thalia							
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151	31	100.0	1528	19	AAW57487	Drosophila melanog							
152	31	100.0	1528	20	AAW99895	Murine multidrug r							
153	31	100.0	1528	20	AAW74472	Mouse multidrug re							
154	31	100.0	1528	21	AAV78874	Murine multidrug r							
155	31	100.0	1528	21	AAV55800	Murine multidrug r							
156	31	100.0	1528	21	AAV55800	Murine multidrug r							

## ALIGNMENTS

## RESULT 1

ABB80521

ID ABB80521 standard; peptide; 11 AA.

XX ABB80521;

XX 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #1.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX virucide.

XX Synthetic.

XX Key

XX Modified-site 1

XX Modified-site 6

XX Modified-site 11

XX Modified-site 11

XX Modified-site 11

XX Modified-site 11

XX Modified-site 11

XX Modified-site 11

XX Modified-site 11

XX Modified-site 11

XX Modified-site 11

XX Modified-site 11

XX Modified-site 11

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XX Modified-site 11

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XX Modified-site 11

XX Modified-site 11

Db 1 EEVVPXGMSYS 11

# RESULT 2

ID ABB80522 standard; peptide; 11 AA.

XX AC ABB80522;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #2.

XX XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX KW virucide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"

FT Misc-difference 9 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

FT FT

XX WO200208251-A2.

XX PN 31-JAN-2002.

XX PD

XX XX

XX PF 19-JUL-2001; 2001WO-US23169.

XX PR 21-JUL-2000; 2000US-220101P.

XX XX (CORV-) CORVAS INT INC.

XX PA Lim-wilby M, Levy OE, Brunck TK;

XX PI WPI; 2002-361643/39.

XX DR

XX XX

XX PT Novel peptide compound having hepatitis C virus protease inhibitory

PT activity useful for treating disorders associated with hepatitis C

PT virus protease

XX XX

XX PS Claim 17; Page 64; 69pp; English.

XX XX

XX CC The sequence represents a peptide compound of the invention having

CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the

CC invention are alpha-ketoamide peptide analogues. The peptides have

CC virucide activity, and are useful for treating and in the manufacture of

CC a medicament to treat disorders associated with HCV protease. A

CC pharmaceutical composition comprising the peptide as an active ingredient

CC is useful for treating disorders associated with hepatitis C virus.

XX XX

SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

DB 1 EEVVPXGMSYS 11

XX AC ABB80523;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #4.

XX XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX KW virucide.

XX AC ABB80523;

XX

DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #3.

XX DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX KW virucide.

XX OS Synthetic.

XX XX

XX FH Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"

FT Misc-difference 9 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

FT FT

XX WO200208251-A2.

XX PN 31-JAN-2002.

XX PD

XX XX

XX PF 19-JUL-2001; 2001WO-US23169.

XX PR 21-JUL-2000; 2000US-220101P.

XX XX (CORV-) CORVAS INT INC.

XX PA Lim-wilby M, Levy OE, Brunck TK;

XX PI WPI; 2002-361643/39.

XX DR

XX XX

XX PT Novel peptide compound having hepatitis C virus protease inhibitory

PT activity useful for treating disorders associated with hepatitis C

PT virus protease

XX XX

XX PS Claim 17; Page 64; 69pp; English.

XX XX

XX CC The sequence represents a peptide compound of the invention having

CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the

CC invention are alpha-ketoamide peptide analogues. The peptides have

CC virucide activity, and are useful for treating and in the manufacture of

CC a medicament to treat disorders associated with HCV protease. A

CC pharmaceutical composition comprising the peptide as an active ingredient

CC is useful for treating disorders associated with hepatitis C virus.

XX XX

SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

DB 1 EEVVPXGMSYS 11

XX AC ABB80524;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #4.

XX XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX KW virucide.

XX XX

RESULT 4

ABB80524

ID ABB80524 standard; peptide; 11 AA.

XX AC ABB80524;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #4.

XX XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX KW virucide.

XX XX

OS Synthetic.  
FH Key Location/Qualifiers  
FT Modified-site 1  
FT Modified-site 6 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"  
FT Misc-difference 9  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
PD 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
PI Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory activity useful for treating disorders associated with hepatitis C virus protease  
XX Claim 17; Page 64; 69pp; English.  
XX The sequence represents a peptide compound of the invention having hepatitis C virus (HCV) protease inhibitory activity. The peptides of the invention are alpha-ketoamide peptide analogues. The peptides have virucide activity, and are useful for treating and in the manufacture of a medicament to treat disorders associated with HCV protease. A pharmaceutical composition comprising the peptide as an active ingredient is useful for treating disorders associated with hepatitis C virus.  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
|||||:|:|:  
DB 1 EEVVPXGMDYS 11  
RESULT 5  
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ID ABB80525 standard; peptide; 11 AA.  
AC ABB80525;  
XX 08-OCT-2002 (first entry)  
DT Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #5.  
DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
OS Key Location/Qualifiers  
FH Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"

FT Misc-difference 8  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
PD 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
PI Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory activity useful for treating disorders associated with hepatitis C virus protease  
XX Claim 17; Page 64; 69pp; English.  
XX The sequence represents a peptide compound of the invention having hepatitis C virus (HCV) protease inhibitory activity. The peptides of the invention are alpha-ketoamide peptide analogues. The peptides have virucide activity, and are useful for treating and in the manufacture of a medicament to treat disorders associated with HCV protease. A pharmaceutical composition comprising the peptide as an active ingredient is useful for treating disorders associated with hepatitis C virus.  
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|||||:|:|:  
DB 1 EEVVPXGMSYS 11  
RESULT 6  
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ID ABB80526 standard; peptide; 11 AA.  
AC ABB80526;  
XX 08-OCT-2002 (first entry)  
DT Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #6.  
DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
OS Key Location/Qualifiers  
FH Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"  
FT Misc-difference 8 /note= "D-form residue"  
FT Misc-difference 9 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.

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XX PD 31-JAN-2002.
XX XX
XX PF 19-JUL-2001; 2001WO-US23169.
XX XX
XX PR 21-JUL-2000; 2000US-220101P.
XX XX
XX PA (CORV-) CORVAS INT INC.
XX PI Lim-wilby M, Levy OE, Brunck TK;
XX XX
XX DR WPI; 2002-361643/39.
XX XX
XX PT Novel peptide compound having hepatitis C virus protease inhibitory
XX activity useful for treating disorders associated with hepatitis C
XX virus protease
XX XX
XX PS Claim 17; Page 64; 69pp; English.
XX XX
XX CC The sequence represents a peptide compound of the invention having
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
XX invention are alpha-ketoamide peptide analogues. The peptides have
XX virucide activity, and are useful for treating and in the manufacture of
XX a medicament to treat disorders associated with HCV protease. A
XX pharmaceutical composition comprising the peptide as an active ingredient
XX is useful for treating disorders associated with hepatitis C virus.
XX SQ Sequence 11 AA;
XX
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
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XX QY 1 EEVVPXXXXXX 11
XX |||||:::
XX DB 1 EEVVPXGMSYS 11
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XX RESULT 7
XX ABB80527
XX ID ABB80527 standard; peptide; 11 AA.
XX XX
XX AC ABB80527;
XX XX
XX DT 08-OCT-2002 (first entry)
XX XX
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #7.
XX XX
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX XX
XX OS Synthetic.
XX XX
XX FH Key Location/Qualifiers
XX Modified-site 1 /note= "N-terminal acetyl"
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
XX residue 7"
XX
XX FT Misc-difference 8 /note= "D-form residue"
XX Modified-site 11 /note= "C-terminal amide"
XX
XX WO200208251-A2.
XX
XX PD 31-JAN-2002.
XX XX
XX PF 19-JUL-2001; 2001WO-US23169.
XX XX
XX PR 21-JUL-2000; 2000US-220101P.
XX XX
XX PA (CORV-) CORVAS INT INC.

```

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XX Lim-wilby M, Levy OE, Brunck TK;
XX WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
XX activity useful for treating disorders associated with hepatitis C
XX virus protease
XX
XX Claim 17; Page 64; 69pp; English.
XX
XX The sequence represents a peptide compound of the invention having
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
XX invention are alpha-ketoamide peptide analogues. The peptides have
XX virucide activity, and are useful for treating and in the manufacture of
XX a medicament to treat disorders associated with HCV protease. A
XX pharmaceutical composition comprising the peptide as an active ingredient
XX is useful for treating disorders associated with hepatitis C virus.
XX SQ Sequence 11 AA;
XX
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 EEVVPXXXXXX 11
XX |||||:::
XX DB 1 EEVVPXGMSYS 11
XX
XX RESULT 8
XX ABB80528
XX ID ABB80528 standard; peptide; 11 AA.
XX XX
XX AC ABB80528;
XX XX
XX DT 08-OCT-2002 (first entry)
XX XX
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #8.
XX XX
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX XX
XX OS Synthetic.
XX XX
XX FH Key Location/Qualifiers
XX Modified-site 1 /note= "N-terminal acetyl"
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
XX residue 7"
XX
XX FT Misc-difference 8 /note= "D-form residue"
XX Modified-site 11 /note= "C-terminal amide"
XX
XX WO200208251-A2.
XX
XX PD 31-JAN-2002.
XX XX
XX PF 19-JUL-2001; 2001WO-US23169.
XX XX
XX PR 21-JUL-2000; 2000US-220101P.
XX XX
XX PA (CORV-) CORVAS INT INC.
XX
XX Lim-wilby M, Levy OE, Brunck TK;
XX WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
XX activity useful for treating disorders associated with hepatitis C
XX virus protease
XX

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XX	Synthetic.
OS	
XX	
FH	Key
FT	Modified-site 1 Location/Qualifiers
FT	/note= "N-terminal acetyl"
FT	6
FT	Modified-site /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"
FT	11
FT	Modified-site /note= "C-terminal amide"
XX	
PN	WO200208251-A2.
XX	
PD	31-JAN-2002.
XX	
PF	19-JUL-2001; 2001WO-US23169.
XX	
PR	21-JUL-2000; 2000US-220101P.
XX	
PA	(CORV-) CORVAS INT INC.
XX	
PI	Lim-wilby M, Levy OE, Brunck TK;
XX	
DR	WPI; 2002-361643/39.
XX	
PT	Novel peptide compound having hepatitis C virus protease inhibitory activity useful for treating disorders associated with hepatitis C virus protease
PT	-
PT	
XX	
PS	Claim 17; Page 64; 69pp; English.
XX	
CC	The sequence represents a peptide compound of the invention having hepatitis C virus (HCV) protease inhibitory activity. The peptides of the invention are alpha-ketoamide peptide analogues. The peptides have virucide activity, and are useful for treating and in the manufacture of a pharmaceutical to treat disorders associated with HCV protease. A pharmaceutical composition comprising the peptide as an active ingredient is useful for treating disorders associated with hepatitis C virus.
XX	
SQ	Sequence 11 AA;
	Query Match 100.0%; Score 31; DB 23; Length 11;
	Best Local Similarity 54.5%; Pred.No. 54;
	Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
QY	1 EEVVPXXXXX 11      :::
DB	1 EEVVPXGGDYS 11
RESULT 14	
ABB80534	
ID	ABB80534 standard; peptide; 11 AA.
XX	
AC	ABB80534;
XX	
DT	08-OCT-2002 (first entry)
XX	
DE	Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #14.
KW	Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide; virucide.
XX	
OS	Synthetic.
XX	
FH	Key
FT	Modified-site 1 Location/Qualifiers
FT	/note= "N-terminal acetyl"
FT	6
FT	Modified-site /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"
FT	
FT	Misc-difference 9
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FT	Modified-site	/note= "D-form residue"
FT	11	
FT	/note= "C-terminal amide"	
XX		
XX	WO200208251-A2.	
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XX	31-JAN-2002.	
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XX	19-JUL-2001; 2001WO-US23169.	
XX		
XX	21-JUL-2000; 2000US-220101P.	
XX		
XX	(CORV-) CORVAS INT INC.	
XX		
XX	Lim-wilby M, Levy OE, Brunck TK;	
XX		
XX	WPI; 2002-361643/39.	
XX		
XX	Novel peptide compound having hepatitis C virus protease inhibitory	
XX	activity useful for treating disorders associated with hepatitis C	
XX	virus protease	
XX		
XX	Claim 17; Page 64; 69pp; English.	
XX		
XX	The sequence represents a peptide compound of the invention having	
XX	hepatitis C virus (HCV) protease inhibitory activity. The peptides of the	
XX	invention are alpha-ketoamide peptide analogues. The peptides have	
XX	virucide activity, and are useful for treating and in the manufacture of	
XX	a medicament to treat disorders associated with HCV protease. A	
XX	pharmaceutical composition comprising the peptide as an active ingredient	
XX	is useful for treating disorders associated with hepatitis C virus.	
XX		
XX	Sequence 11 AA;	
XX		
XX	Query Match 100.0%; Score 31; DB 23; Length 11;	
XX	Best Local Similarity 54.5%; Pred. No. 54;	
XX	Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;	
QY	1 EEVVPXXXXXX 11	
	:::	
DB	1 EEVVPXGGDYS 11	
DB		
RESULT 15		
ABB80535		
ID	ABB80535 standard; peptide; 11 AA.	
XX		
XX	ABB80535;	
XX		
DT	08-OCT-2002 (first entry)	
XX		
XX	Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #15.	
DE		
XX	Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;	
XX	virucide.	
KW		
KW		
OS	Synthetic.	
XX		
XX	Key Location/Qualifiers	
FT	Modified-site 1	
FT	/note= "N-terminal acetyl"	
FT	Modified-site 6	
FT	/note= "Norvalyl carbonyl forming keto-amide linkage with	
FT	residue 7"	
FT	Modified-site 11	
FT	/note= "C-terminal amide"	
XX		
XX	WO200208251-A2.	
PN		
XX		
XX	31-JAN-2002.	
XX		
XX	19-JUL-2001; 2001WO-US23169.	
XX		
XX		
XX		







XX	08-OCT-2002	(first entry)	
XX	Hepatitis C virus NS3/NS4a	serine protease inhibitor peptide #21.	
XX	Hepatitis C virus; HCV;	serine protease; inhibitor; alpha-ketoamide;	
DE	Hepatitis C virus; HCV;	serine protease; inhibitor; alpha-ketoamide;	
XX	virucide.		
XX	Synthetic.		
OS			
XX	Key	Location/Qualifiers	
XX	Modified-site	1	
FT	/note= "N-terminal acetyl"		
FT	Modified-site	6	
FT	/note= "Norvalyl carbonyl forming keto-amide linkage with		
FT	residue 7"		
FT	Misc-difference	8	
FT	/note= "D-form residue"		
FT	Modified-site	11	
FT	/note= "C-terminal amide"		
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XX	WO200208251-A2.		
PN			
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XX	31-JAN-2002.		
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XX	19-JUL-2001; 2001WO-US23169.		
PF			
XX			
XX	21-JUL-2000; 2000US-220101P.		
PR			
XX			
XX	(CORV-) CORVAS INT INC.		
PA			
XX			
XX	Lim-wilby M, Levy OE, Brunck TK;		
XX			
XX	WPI; 2002-361643/39.		
DR			
XX			
XX	Novel peptide compound having hepatitis C virus protease inhibitory		
PT	activity useful for treating disorders associated with hepatitis C		
PT	virus protease		
XX			
XX	Claim 17; Page 65; 69pp; English.		
PS			
XX			
XX	The sequence represents a peptide compound of the invention having		
CC	hepatitis C virus (HCV) protease inhibitory activity. The peptides of the		
CC	invention are alpha-ketoamide peptide analogues. The peptides have		
CC	virucide activity, and are useful for treating and in the manufacture of		
CC	a medicament to treat disorders associated with HCV protease. A		
CC	pharmaceutical composition comprising the peptide as an active ingredient		
CC	is useful for treating disorders associated with hepatitis C virus.		
XX			
XX	Sequence	11 AA;	
SQ			
	Query Match	100.0%; Score 31; DB 23; Length 11;	
	Best Local Similarity	54.5%; Pred. No. 54;	
	Matches	6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;	
QY	1 EEVVPVXXXXX 11		
	: : :		
Db	1 EEVVPVXGQHYS 11		
RESULT 22			
ABB80542			
ID	ABB80542 standard; peptide; 11 AA.		
XX			
XX	ABB80542;		
XX			
XX	08-OCT-2002 (first entry)		
DT			
XX			
DE	Hepatitis C virus NS3/NS4a	serine protease inhibitor peptide #22.	
XX	Hepatitis C virus; HCV;	serine protease; inhibitor; alpha-ketoamide;	
XX	virucide.		
KW			
XX			

OS Synthetic.  
FH Key Location/Qualifiers  
FT Modified-site 1  
FT /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 8  
FT /note= "D-form residue"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
PN WO200208251-A2.  
XX 31-JAN-2002.  
PD 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
PA Lim-wilby M, Levy OE, Brunck TK;  
PI WPI; 2002-361643/39.  
DR Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
PS Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXXX 11  
Db |||||:::  
1 EEVVPXGQDYS 11  
RESULT 23  
ABB80543  
ID ABB80543 standard; peptide; 11 AA.  
AC ABB80543;  
XX 08-OCT-2002 (first entry)  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #23.  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
FH Key Location/Qualifiers  
FT Modified-site 1  
FT /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
PN WO200208251-A2.  
XX 31-JAN-2002.

FT Misc-difference 8  
FT /note= "D-form residue"  
FT Misc-difference 9  
FT /note= "D-form residue"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
PN WO200208251-A2.  
XX 31-JAN-2002.  
PD 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
PA Lim-wilby M, Levy OE, Brunck TK;  
PI WPI; 2002-361643/39.  
DR Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
PS Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXXX 11  
Db |||||:::  
1 EEVVPXGQDYS 11  
RESULT 24  
ABB80544  
ID ABB80544 standard; peptide; 11 AA.  
AC ABB80544;  
XX 08-OCT-2002 (first entry)  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #24.  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
FH Key Location/Qualifiers  
FT Modified-site 1  
FT /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
PN WO200208251-A2.  
XX 31-JAN-2002.

XX PF 19-JUL-2001; 2001WO-US23169.  
 XX PR 21-JUL-2000; 2000US-220101P.  
 XX PA (CORV-) CORVAS INT INC.  
 XX PI Lim-wilby M, Levy OE, Brunck TK;  
 XX PS WPI; 2002-361643/39.  
 XX DR Novel peptide compound having hepatitis C virus protease inhibitory  
 XX PT activity useful for treating disorders associated with hepatitis C  
 XX PT virus protease  
 XX PS Claim 17; Page 65; 69pp; English.  
 XX CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db 1 EEVVPXGTSYS 11  
 RESULT 25  
 ABB80545  
 ID ABB80545 standard; peptide; 11 AA.  
 XX AC ABB80545;  
 XX DT 08-OCT-2002 (first entry)  
 XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #25.  
 XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 XX KW virucide.  
 XX OS Synthetic.  
 XX FH Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 9  
 FT Modified-site 11 /note= "D-form residue"  
 FT Modified-site 11 /note= "C-terminal amide"  
 XX WO200208251-A2.  
 XX PN 31-JAN-2002.  
 XX PD 19-JUL-2001; 2001WO-US23169.  
 XX PF 21-JUL-2000; 2000US-220101P.  
 XX PR (CORV-) CORVAS INT INC.  
 XX PI Lim-wilby M, Levy OE, Brunck TK;  
 XX PS WPI; 2002-361643/39.  
 XX DR Novel peptide compound having hepatitis C virus protease inhibitory  
 XX PT activity useful for treating disorders associated with hepatitis C  
 XX PT virus protease  
 XX PS Claim 17; Page 65; 69pp; English.  
 XX CC The sequence represents a peptide compound of the invention having

XX WPI; 2002-361643/39.  
 XX DR Novel peptide compound having hepatitis C virus protease inhibitory  
 XX PT activity useful for treating disorders associated with hepatitis C  
 XX PT virus protease  
 XX PS Claim 17; Page 65; 69pp; English.  
 XX CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db 1 EEVVPXGTSYS 11  
 RESULT 26  
 ABB80546  
 ID ABB80546 standard; peptide; 11 AA.  
 XX AC ABB80546;  
 XX DT 08-OCT-2002 (first entry)  
 XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #26.  
 XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 XX KW virucide.  
 XX OS Synthetic.  
 XX FH Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Modified-site 11 /note= "C-terminal amide"  
 XX WO200208251-A2.  
 XX PN 31-JAN-2002.  
 XX PD 19-JUL-2001; 2001WO-US23169.  
 XX PF 21-JUL-2000; 2000US-220101P.  
 XX PR (CORV-) CORVAS INT INC.  
 XX PI Lim-wilby M, Levy OE, Brunck TK;  
 XX PS WPI; 2002-361643/39.  
 XX DR Novel peptide compound having hepatitis C virus protease inhibitory  
 XX PT activity useful for treating disorders associated with hepatitis C  
 XX PT virus protease  
 XX PS Claim 17; Page 65; 69pp; English.  
 XX CC The sequence represents a peptide compound of the invention having

CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
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Db 1 EEVVPXGTHYS 11

RESULT 27  
ABB80547  
ID ABB80547 standard; peptide; 11 AA.  
XX AC ABB80547;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #27.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT Modified-site 11 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT Modified-site 11 residue 7"  
FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.

Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 1 EEVVPXGTHYS 11

RESULT 28  
ABB80548  
ID ABB80548 standard; peptide; 11 AA.  
XX AC ABB80548;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #28.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT Modified-site 11 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT Misc-difference 9 residue 7"  
FT /note= "D-form residue"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.

Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 1 EEVVPXGTHYS 11

RESULT 29  
ABB80549  
ID ABB80549 standard; peptide; 11 AA.  
XX AC ABB80549;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #29.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT Modified-site 11 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT Misc-difference 9 residue 7"  
FT /note= "D-form residue"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.

Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 1 EEVVPXGTHYS 11

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RESULT 29
ABB80549
ID ABB80549 standard; peptide; 11 AA.
XX
AC ABB80549;
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DT 08-OCT-2002 (first entry)
XX
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #29.
XX
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6
FT Modified-site 6
FT Misc-difference 9
FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
XX
PN WO200208251-A2.
PD 31-JAN-2002.
XX
PF 19-JUL-2001; 2001WO-US23169.
XX
PR 21-JUL-2000; 2000US-220101P.
XX
PA (CORV-) CORVAS INT INC.
XX
PI Lim-wilby M, Levy OE, Brunck TK;
XX
DR WPI; 2002-361643/39.
XX
PT Novel peptide compound having hepatitis C virus protease inhibitory
PT activity useful for treating disorders associated with hepatitis C
PT virus protease
XX
PS Claim 17; Page 65; 69pp; English.
XX
CC The sequence represents a peptide compound of the invention having
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
CC invention are alpha-ketoamide peptide analogues. The peptides have
CC virucide activity, and are useful for treating and in the manufacture of
CC a medicament to treat disorders associated with HCV protease. A
CC pharmaceutical composition comprising the peptide as an active ingredient
CC is useful for treating disorders associated with hepatitis C virus.
XX
SQ Sequence 11 AA;
Query Match 100.0%; Score 31; DB 23; Length 11;
Best Local Similarity 54.5%; Pred. No. 54;
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
DB 1 EEVVPXGSSYS 11
RESULT 30
ABB80550
ID ABB80550 standard; peptide; 11 AA.
XX
AC ABB80550;
XX
DT 08-OCT-2002 (first entry)
XX
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #31.
XX
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6
FT Modified-site 6
FT Misc-difference 9
FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
XX
PN WO200208251-A2.
PD 31-JAN-2002.
XX
PF 19-JUL-2001; 2001WO-US23169.
XX
PR 21-JUL-2000; 2000US-220101P.
XX
PA (CORV-) CORVAS INT INC.
XX
PI Lim-wilby M, Levy OE, Brunck TK;
XX
DR WPI; 2002-361643/39.
XX
PT Novel peptide compound having hepatitis C virus protease inhibitory
PT activity useful for treating disorders associated with hepatitis C
PT virus protease
XX
PS Claim 17; Page 65; 69pp; English.
XX
CC The sequence represents a peptide compound of the invention having
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
CC invention are alpha-ketoamide peptide analogues. The peptides have
CC virucide activity, and are useful for treating and in the manufacture of
CC a medicament to treat disorders associated with HCV protease. A
CC pharmaceutical composition comprising the peptide as an active ingredient
CC is useful for treating disorders associated with hepatitis C virus.
XX
SQ Sequence 11 AA;
Query Match 100.0%; Score 31; DB 23; Length 11;
Best Local Similarity 54.5%; Pred. No. 54;
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
DB 1 EEVVPXGSSYS 11
RESULT 31
ABB80551
ID ABB80551 standard; peptide; 11 AA.
XX
AC ABB80551;
XX
DT 08-OCT-2002 (first entry)
XX
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #31.
XX
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
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FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 9  
FT Modified-site 11 /note= "D-form residue"  
FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX Sequence 11 AA;  
XX  
XX Query Match 100.0%; Score 31; DB 23; Length 11;  
XX Best Local Similarity 54.5%; Pred. No. 54;  
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
DB 1 EEVVPXGSDYS 11  
RESULT 32  
ABB80552  
ID ABB80552 standard; peptide; 11 AA.  
XX ABB80552;  
XX 08-OCT-2002 (first entry)  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #32.  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX Synthetic.  
XX Key Location/Qualifiers  
XX Modified-site 1 /note= "N-terminal acetyl"  
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
XX residue 7"  
XX Misc-difference 8 /note= "D-form residue"  
XX Modified-site 11 /note= "D-form residue"  
XX WO200208251-A2.  
XX 31-JAN-2002.

FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX Sequence 11 AA;  
XX  
XX Query Match 100.0%; Score 31; DB 23; Length 11;  
XX Best Local Similarity 54.5%; Pred. No. 54;  
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
DB 1 EEVVPXGSSYS 11  
RESULT 33  
ABB80553  
ID ABB80553 standard; peptide; 11 AA.  
XX ABB80553;  
XX 08-OCT-2002 (first entry)  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #33.  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX Synthetic.  
XX Key Location/Qualifiers  
XX Modified-site 1 /note= "N-terminal acetyl"  
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
XX residue 7"  
XX Misc-difference 8 /note= "D-form residue"  
XX Misc-difference 9 /note= "D-form residue"  
XX Modified-site 11 /note= "D-form residue"  
XX WO200208251-A2.  
XX 31-JAN-2002.



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DR WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
PT activity useful for treating disorders associated with hepatitis C
PT virus protease
XX
XX Claim 17; Page 65; 69pp; English.
XX
XX The sequence represents a peptide compound of the invention having
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
CC invention are alpha-ketoamide peptide analogues. The peptides have
CC virucide activity, and are useful for treating and in the manufacture of
CC a medicament to treat disorders associated with HCV protease. A
CC pharmaceutical composition comprising the peptide as an active ingredient
CC is useful for treating disorders associated with hepatitis C virus.
XX
XX Sequence 11 AA;
XX
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 EEVVPXXXXXX 11
XX |||||:::
XX Db 1 EEVVPXGSHYS 11
XX
XX RESULT 35
XX ABB80555
XX ID ABB80555 standard; peptide; 11 AA.
XX XX
XX AC ABB80555;
XX XX
XX DT 08-OCT-2002 (first entry)
XX XX
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #35.
XX XX
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX KW
XX OS Synthetic.
XX XX
XX Key Location/Qualifiers
XX Modified-site 1 /note= "N-terminal acetyl"
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
XX residue 7"
XX Misc-difference 8 /note= "D-form residue"
XX Misc-difference 9 /note= "D-form residue"
XX Modified-site 11 /note= "C-terminal amide"
XX XX
XX WO200208251-A2.
XX PN
XX XX
XX PD 31-JAN-2002.
XX XX
XX PF 19-JUL-2001; 2001WO-US23169.
XX XX
XX PR 21-JUL-2000; 2000US-220101P.
XX XX
XX PA (CORV-) CORVAS INT INC.
XX XX
XX PI Lim-wilby M, Levy OE, Brunck TK;
XX XX
XX DR WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
PT activity useful for treating disorders associated with hepatitis C
PT virus protease
XX

```

PS Claim 17; Page 65; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

Db 1 EEVVPXGSHYS 11

RESULT 36

ABB80556

ID ABB80556 standard; peptide; 11 AA.

XX ABB80556;

XX 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #36.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX virucide.

XX Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with

FT residue 7"

FT Misc-difference 8 /note= "D-form residue"

FT Modified-site 11 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory

XX activity useful for treating disorders associated with hepatitis C

XX virus protease

XX Claim 17; Page 65; 69pp; English.

XX The sequence represents a peptide compound of the invention having

XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the

XX invention are alpha-ketoamide peptide analogues. The peptides have

XX virucide activity, and are useful for treating and in the manufacture of

XX a medicament to treat disorders associated with HCV protease. A

XX pharmaceutical composition comprising the peptide as an active ingredient

XX is useful for treating disorders associated with hepatitis C virus.

CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

Db 1 EEVVPXGSDYS 11

RESULT 37

ABB80557

ID ABB80557 standard; peptide; 11 AA.

XX ABB80557;

XX 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #37.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX virucide.

XX Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with

FT residue 7"

FT Misc-difference 8 /note= "D-form residue"

FT Misc-difference 9 /note= "D-form residue"

FT Modified-site 11 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory

XX activity useful for treating disorders associated with hepatitis C

XX virus protease

XX Claim 17; Page 65; 69pp; English.

XX The sequence represents a peptide compound of the invention having

XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the

XX invention are alpha-ketoamide peptide analogues. The peptides have

XX virucide activity, and are useful for treating and in the manufacture of

XX a medicament to treat disorders associated with HCV protease. A

XX pharmaceutical composition comprising the peptide as an active ingredient

XX is useful for treating disorders associated with hepatitis C virus.

Query Match

Best Local Similarity 100.0%; Score 31; DB 23; Length 11;

54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 DB 1 EEVVPXGSDYS 11

RESULT 38  
 ABB80558  
 ID ABB80558 standard; peptide; 11 AA.  
 XX  
 AC ABB80558;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX  
 DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #38.  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX  
 OS Synthetic.  
 XX  
 PH Key Location/Qualifiers  
 FT Modified-site 1  
 FT /note= "N-terminal acetyl"  
 FT Modified-site 6  
 FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Modified-site 8  
 FT /note= "D-form residue"  
 FT Modified-site 8  
 FT /note= "Oxymethionine"  
 FT Modified-site 11  
 FT /note= "C-terminal amide"  
 FT  
 FT WO200208251-A2.  
 PN  
 XX  
 PD 31-JAN-2002.  
 XX  
 PF 19-JUL-2001; 2001WO-US23169.  
 XX  
 PR 21-JUL-2000; 2000US-220101P.  
 XX  
 PA (CORV-) CORVAS INT INC.  
 XX  
 PI Lim-wilby M, Levy OE, Brunck TK;  
 XX  
 DR WPI; 2002-361643/39.  
 XX  
 CC Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease  
 PT  
 PS Claim 17; Page 65; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 DB 1 EEVVPXGMHYS 11

RESULT 39

ABB80559  
 ID ABB80559 standard; peptide; 11 AA.  
 XX  
 AC ABB80559;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX  
 DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #39.  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX  
 OS Synthetic.  
 XX  
 PH Key Location/Qualifiers  
 FT Modified-site 1  
 FT /note= "N-terminal acetyl"  
 FT Modified-site 6  
 FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8  
 FT /note= "D-form residue"  
 FT Modified-site 8  
 FT /note= "Oxymethionine"  
 FT Modified-site 11  
 FT /note= "C-terminal amide"  
 FT  
 FT WO200208251-A2.  
 PN  
 XX  
 PD 31-JAN-2002.  
 XX  
 PF 19-JUL-2001; 2001WO-US23169.  
 XX  
 PR 21-JUL-2000; 2000US-220101P.  
 XX  
 PA (CORV-) CORVAS INT INC.  
 XX  
 PI Lim-wilby M, Levy OE, Brunck TK;  
 XX  
 DR WPI; 2002-361643/39.  
 XX  
 CC Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease  
 PT  
 PS Claim 17; Page 65; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 DB 1 EEVVPXGMSYS 11

RESULT 40  
 ABB80560  
 ID ABB80560 standard; peptide; 11 AA.  
 XX  
 AC ABB80560;  
 XX  
 DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #40.  
 DE  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 OS  
 XX Synthetic.  
 PH Key  
 FT Location/Qualifiers  
 FT Modified-site 1  
 FT Modified-site 6  
 FT /note= "N-terminal acetyl"  
 FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8  
 FT /note= "D-form residue"  
 FT Modified-site 8  
 FT /note= "Oxymethionine"  
 FT Modified-site 11  
 FT /note= "D-form residue"  
 FT /note= "C-terminal amide"  
 XX WO200208251-A2.  
 PN 31-JAN-2002.  
 XX 19-JUL-2001; 2001WO-US23169.  
 XX 21-JUL-2000; 2000US-220101P.  
 PR (CORV-) CORVAS INT INC.  
 PA Lim-wilby M, Levy OE, Brunck TK;  
 PI WPI; 2002-361643/39.  
 DR  
 XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease.  
 XX Claim 17; Page 65; 69pp; English.  
 XX The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 1 EEVVPXGMHYS 11  
 RESULT 41  
 ABB80561  
 ID ABB80561 standard; peptide; 11 AA.  
 XX  
 AC ABB80561;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #41.  
 DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW

virucide.  
 KW  
 XX Synthetic.  
 OS  
 XX Key  
 PH Location/Qualifiers  
 FT Modified-site 1  
 FT Modified-site 6  
 FT /note= "N-terminal acetyl"  
 FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8  
 FT /note= "D-form residue"  
 FT Modified-site 8  
 FT /note= "Oxymethionine"  
 FT Modified-site 11  
 FT /note= "C-terminal amide"  
 XX WO200208251-A2.  
 PN 31-JAN-2002.  
 XX 19-JUL-2001; 2001WO-US23169.  
 XX 21-JUL-2000; 2000US-220101P.  
 PR (CORV-) CORVAS INT INC.  
 PA Lim-wilby M, Levy OE, Brunck TK;  
 PI WPI; 2002-361643/39.  
 DR  
 XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease.  
 XX Claim 17; Page 65; 69pp; English.  
 XX The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 1 EEVVPXGMHYS 11  
 RESULT 42  
 ABB80562  
 ID ABB80562 standard; peptide; 11 AA.  
 XX  
 AC ABB80562;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #42.  
 DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 KW  
 XX Synthetic.  
 OS  
 XX Key  
 PH Location/Qualifiers  
 FT Modified-site 1

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FT Modified-site 11 /note= "N-terminal acetyl"
FT 6
FT FT /note= "Norvalyl carbonyl forming keto-amide linkage with
FT PN residue 7"
FT XX
FT Misc-difference 8 /note= "D-form residue"
FT 8
FT FT Modified-site 8 /note= "Oxymethionine"
FT 8
FT FT Misc-difference 9 /note= "D-form residue"
FT 9
FT FT Modified-site 11 /note= "C-terminal amide"
FT 11
FT XX
FT PN WO200208251-A2.
FT XX
FT PD 31-JAN-2002.
FT XX
FT PF 19-JUL-2001; 2001WO-US23169.
FT XX
FT PR 21-JUL-2000; 2000US-220101P.
FT XX
FT PA (CORV-) CORVAS INT INC.
FT XX
FT PI Lim-wilby M, Levy OE, Brunck TK;
FT XX
FT DR WPI; 2002-361643/39.
FT XX
FT XX Novel peptide compound having hepatitis C virus protease inhibitory
FT PT activity useful for treating disorders associated with hepatitis C
FT PT virus protease
FT XX
FT PS Claim 17; Page 65; 69pp; English.
FT XX
FT CC The sequence represents a peptide compound of the invention having
FT CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
FT CC invention are alpha-ketoamide peptide analogues. The peptides have
FT CC virucide activity, and are useful for treating and in the manufacture of
FT CC a medicament to treat disorders associated with HCV protease. A
FT CC pharmaceutical composition comprising the peptide as an active ingredient
FT CC is useful for treating disorders associated with hepatitis C virus.
FT XX
FT SQ Sequence 11 AA;
FT
FT Query Match 100.0%; Score 31; DB 23; Length 11;
FT Best Local Similarity 54.5%; Pred. No. 54;
FT Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
FT
FT QY 1 EEVVPXXXXXX 11
FT |||||:
FT DB 1 EEVVPXGMDYS 11
FT
FT RESULT 43
FT ABB80563
FT ID ABB80563 standard; peptide; 11 AA.
FT XX
FT AC ABB80563;
FT XX
FT DT 08-OCT-2002 (first entry)
FT XX
FT DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #43.
FT XX
FT KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
FT KW virucide.
FT XX
FT OS Synthetic.
FT XX
FT FH Key Location/Qualifiers
FT FT Modified-site 1 /note= "N-terminal acetyl"
FT FT Modified-site 6 /note= "Valyl carbonyl forming keto-amide linkage with
FT FT residue 7"
FT FT
FT FT
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FT Modified-site 11 /note= "C-terminal amide"
FT 11
FT XX WO200208251-A2.
FT PN
FT XX 31-JAN-2002.
FT XX
FT XX 19-JUL-2001; 2001WO-US23169.
FT PF
FT XX 21-JUL-2000; 2000US-220101P.
FT XX
FT PA (CORV-) CORVAS INT INC.
FT XX
FT XX Lim-wilby M, Levy OE, Brunck TK;
FT XX
FT XX WPI; 2002-361643/39.
FT XX
FT XX Novel peptide compound having hepatitis C virus protease inhibitory
FT PT activity useful for treating disorders associated with hepatitis C
FT PT virus protease
FT XX
FT PS Claim 17; Page 65; 69pp; English.
FT XX
FT CC The sequence represents a peptide compound of the invention having
FT CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
FT CC invention are alpha-ketoamide peptide analogues. The peptides have
FT CC virucide activity, and are useful for treating and in the manufacture of
FT CC a medicament to treat disorders associated with HCV protease. A
FT CC pharmaceutical composition comprising the peptide as an active ingredient
FT CC is useful for treating disorders associated with hepatitis C virus.
FT XX
FT SQ Sequence 11 AA;
FT
FT Query Match 100.0%; Score 31; DB 23; Length 11;
FT Best Local Similarity 54.5%; Pred. No. 54;
FT Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
FT
FT QY 1 EEVVPXXXXXX 11
FT |||||:
FT DB 1 EEVVPXGMSYS 11
FT
FT RESULT 44
FT ABB80564
FT ID ABB80564 standard; peptide; 11 AA.
FT XX
FT AC ABB80564;
FT XX
FT DT 08-OCT-2002 (first entry)
FT XX
FT DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #44.
FT XX
FT KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
FT KW virucide.
FT XX
FT OS Synthetic.
FT XX
FT FH Key Location/Qualifiers
FT FT Modified-site 1 /note= "N-terminal acetyl"
FT FT Modified-site 6 /note= "Leucyl carbonyl forming keto-amide linkage with
FT FT residue 7"
FT FT
FT FT Modified-site 11 /note= "C-terminal amide"
FT FT
FT FT WO200208251-A2.
FT PN
FT XX 31-JAN-2002.
FT PD
FT XX 19-JUL-2001; 2001WO-US23169.
FT PF
FT XX 21-JUL-2000; 2000US-220101P.
FT XX
FT PR
```

XX (CORV-) CORVAS INT INC.  
XX  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX  
XX DR WPI; 2002-361643/39.  
XX  
XX PT Novel peptide compound having hepatitis C virus protease inhibitory  
XX PT activity useful for treating disorders associated with hepatitis C  
XX PT virus protease  
XX  
XX PS Claim 17; Page 65; 69pp; English.  
XX  
XX CC The sequence represents a peptide compound of the invention having  
XX CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX CC invention are alpha-ketoamide peptide analogues. The peptides have  
XX CC virucide activity, and are useful for treating and in the manufacture of  
XX CC a medicament to treat disorders associated with HCV protease. A  
XX CC pharmaceutical composition comprising the peptide as an active ingredient  
XX CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
XX  
XX Query Match 100.0%; Score 31; DB 23; Length 11;  
XX Best Local Similarity 54.5%; Pred. No. 54;  
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
XX  
XX Qy 1 EEVVPXXXXXX 11  
XX |||||:::  
XX Db 1 EEVVPXGMSYS 11  
XX  
XX RESULT 45  
XX ABB80565  
XX ID ABB80565 standard; peptide; 11 AA.  
XX  
XX AC ABB80565;  
XX  
XX DT 08-OCT-2002 (first entry)  
XX  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #45.  
XX  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.  
XX  
XX OS Synthetic.  
XX  
XX FH Key Location/Qualifiers  
XX FT Modified-site 1 /note= "N-terminal acetyl"  
XX FT Modified-site 6  
XX FT Modified-site 6 /note= "Norleucyl carbonyl forming keto-amide linkage  
XX FT with residue 7"  
XX FT Modified-site 11 /note= "C-terminal amide"  
XX  
XX PN WO200208251-A2.  
XX  
XX PD 31-JAN-2002.  
XX  
XX PP 19-JUL-2001; 2001WO-US23169.  
XX  
XX PR 21-JUL-2000; 2000US-220101P.  
XX  
XX PA (CORV-) CORVAS INT INC.  
XX  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX  
XX DR WPI; 2002-361643/39.  
XX  
XX PT Novel peptide compound having hepatitis C virus protease inhibitory  
XX PT activity useful for treating disorders associated with hepatitis C  
XX PT virus protease

XX Claim 17; Page 65; 69pp; English.  
XX  
XX CC The sequence represents a peptide compound of the invention having  
XX CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX CC invention are alpha-ketoamide peptide analogues. The peptides have  
XX CC virucide activity, and are useful for treating and in the manufacture of  
XX CC a medicament to treat disorders associated with HCV protease. A  
XX CC pharmaceutical composition comprising the peptide as an active ingredient  
XX CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
XX  
XX Query Match 100.0%; Score 31; DB 23; Length 11;  
XX Best Local Similarity 54.5%; Pred. No. 54;  
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
XX  
XX Qy 1 EEVVPXXXXXX 11  
XX |||||:::  
XX Db 1 EEVVPXGMSYS 11  
XX  
XX RESULT 46  
XX ABB80566  
XX ID ABB80566 standard; peptide; 11 AA.  
XX  
XX AC ABB80566;  
XX  
XX DT 08-OCT-2002 (first entry)  
XX  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #46.  
XX  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.  
XX  
XX OS Synthetic.  
XX  
XX FH Key Location/Qualifiers  
XX FT Modified-site 1 /note= "N-terminal acetyl"  
XX FT Modified-site 6  
XX FT Modified-site 6 /note= "2-aminoisobutyl carbonyl residue forming a  
XX FT keto-amide linkage with residue 7"  
XX FT Modified-site 11 /note= "C-terminal amide"  
XX  
XX PN WO200208251-A2.  
XX  
XX PD 31-JAN-2002.  
XX  
XX PP 19-JUL-2001; 2001WO-US23169.  
XX  
XX PR 21-JUL-2000; 2000US-220101P.  
XX  
XX PA (CORV-) CORVAS INT INC.  
XX  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX  
XX DR WPI; 2002-361643/39.  
XX  
XX PT Novel peptide compound having hepatitis C virus protease inhibitory  
XX PT activity useful for treating disorders associated with hepatitis C  
XX PT virus protease  
XX  
XX PS Claim 17; Page 65; 69pp; English.  
XX  
XX CC The sequence represents a peptide compound of the invention having  
XX CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX CC invention are alpha-ketoamide peptide analogues. The peptides have  
XX CC virucide activity, and are useful for treating and in the manufacture of  
XX CC a medicament to treat disorders associated with HCV protease. A  
XX CC pharmaceutical composition comprising the peptide as an active ingredient  
XX CC is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 1 EEVVPXGMSYS 11

## RESULT 47

ABB80567  
ID ABB80567 standard; peptide; 11 AA.

XX AC ABB80567;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #47.

XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
virucide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

XX FT Modified-site 1

XX FT /note= "N-terminal acetyl"

XX FT Modified-site 6

XX FT /note= "(s,s)allothreonyl carbonyl residue forming a  
keto-amide linkage with residue 7"

XX FT Modified-site 11

XX FT /note= "C-terminal amide"

XX PN WO200208251-A2.

XX PD 31-JAN-2002.

XX PF 19-JUL-2001; 2001WO-US23169.

XX PR 21-JUL-2000; 2000US-220101P.

XX PA (CORV-) CORVAS INT INC.

XX PI Lim-wilby M, Levy OE, Brunck TK;

XX XX WPI; 2002-361643/39.

XX CC Novel peptide compound having hepatitis C virus protease inhibitory  
activity useful for treating disorders associated with hepatitis C  
virus protease

XX PS Claim 17; Page 65; 69pp; English.

XX CC The sequence represents a peptide compound of the invention having  
hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
invention are alpha-ketoamide peptide analogues. The peptides have  
virucide activity, and are useful for treating and in the manufacture of  
a medicament to treat disorders associated with HCV protease. A  
pharmaceutical composition comprising the peptide as an active ingredient  
is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 1 EEVVPXGMSYS 11

## RESULT 48

ABB80568  
ID ABB80568 standard; peptide; 11 AA.

XX AC ABB80568;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #48.

XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
virucide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

XX FT Modified-site 1

XX FT /note= "N-terminal acetyl"

XX FT Modified-site 6

XX FT /note= "Alpha-propynyl-glycyl-carbonyl residue forming  
a keto-amide linkage with residue 7"

XX FT Modified-site 11

XX FT /note= "C-terminal amide"

XX PN WO200208251-A2.

XX PD 31-JAN-2002.

XX PF 19-JUL-2001; 2001WO-US23169.

XX PR 21-JUL-2000; 2000US-220101P.

XX PA (CORV-) CORVAS INT INC.

XX PI Lim-wilby M, Levy OE, Brunck TK;

XX XX WPI; 2002-361643/39.

XX CC Novel peptide compound having hepatitis C virus protease inhibitory  
activity useful for treating disorders associated with hepatitis C  
virus protease

XX PS Claim 17; Page 65; 69pp; English.

XX CC The sequence represents a peptide compound of the invention having  
hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
invention are alpha-ketoamide peptide analogues. The peptides have  
virucide activity, and are useful for treating and in the manufacture of  
a medicament to treat disorders associated with HCV protease. A  
pharmaceutical composition comprising the peptide as an active ingredient  
is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 1 EEVVPXGMSYS 11

## RESULT 49

ABG62372  
ID ABG62372 standard; Peptide; 25 AA.

XX AC ABG62372;

XX DT 21-AUG-2002 (first entry)

XX XX





ID XX AC ABP08046 standard; Protein; 52 AA.  
 XX AC ABP08046;  
 XX DT 25-JUN-2002 (first entry)  
 XX DE Human ORFX protein sequence SEQ ID NO:16074.  
 XX KW Human; open reading frame; ORFX; gene therapy; cancer; cirrhosis;  
 KW hyperproliferative disorder; psoriasis; benign tumour; haemorrhage;  
 KW degenerative disorder; osteoarthritis; neurodegenerative disorder;  
 KW cardiovascular disease; diabetes mellitus; systemic lupus erythematosus;  
 KW hypertension; hypothyroidism; cholesterol ester storage disease;  
 KW immune deficiency; immune disorder; infectious disease;  
 KW autoimmune disorder; rheumatoid arthritis; autoimmune thyroiditis;  
 KW myasthenia gravis.  
 XX OS Homo sapiens.  
 XX PN WO200192523-A2.  
 XX PD 06-DEC-2001.  
 XX PF 29-MAY-2001; 2001WO-US10836.  
 XX PR 30-MAY-2000; 2000US-206132P.  
 XX PR 29-AUG-2000; 2000US-228716P.  
 XX PA (CURA-) CURAGEN CORP.  
 XX PI Shimkets RA, Leach MD;  
 XX DR WPI; 2002-106308/14.  
 XX DR N-PSDB; ABN23798.  
 PT Novel human polypeptides and polynucleotides useful for diagnosing,  
 PT preventing and treating cardiovascular disease, neurodegenerative,  
 PT hyperproliferative disorders and autoimmune disorders  
 PS Disclosure; SEQ ID 16074; 1037pp; English.  
 CC The present invention describes substantially purified human proteins  
 CC (referred to as open reading frame, ORFX, where X is 1-11491 (see Table 1  
 CC in the specification). ABN15762 to ABN27252 encode the human ORFX  
 CC proteins given in ABP00010 to ABP11500. ORFX proteins are useful for  
 CC treating or preventing a pathology associated with an ORFX-associated  
 CC disorder in humans, and in the manufacture of a medicament for treating a  
 CC syndrome associated with ORFX-associated disorder. ORFX polynucleotide  
 CC sequences can be used in gene therapy. ORFX sequences can be used in the  
 CC treatment of cancer, hyperproliferative disorders, cirrhosis of liver,  
 CC psoriasis, benign tumours, keloid, degenerative disorders, haemorrhage,  
 CC osteoarthritis, neurodegenerative disorders, diabetes mellitus, systemic  
 CC transplantation, cardiovascular diseases, diabetes mellitus, systemic  
 CC lupus erythematosus, hypertension, hypothyroidism, cholesterol ester  
 CC storage disease, various immune deficiencies and disorders, infectious  
 CC diseases, autoimmune disorders such as multiple sclerosis, rheumatoid  
 CC arthritis, autoimmune thyroiditis, myasthenia gravis, graft-versus-host  
 CC disease and autoimmune inflammatory eye disease. ORFX proteins are also  
 CC useful for treating burns, incisions, ulcers, for treating osteoporosis,  
 CC bone degenerative disorders, or periodontal disease, and for gut  
 CC protection or regeneration and treatment of lung or liver fibrosis,  
 CC reperfusion injury in various tissues and conditions resulting from  
 CC systemic cytokine damage.  
 CC N.B. The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX Sequence 52 AA;  
 XX Query Match 100.0%; Score 31; DB 23; Length 52;  
 XX Best Local Similarity 45.5%; Pred. No. 3.1e+02;  
 XX Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 17 EEVVPGDVRS 27  
 RESULT 52  
 AAM96516  
 ID AAM96516 standard; Protein; 61 AA.  
 XX AC AAM96516;  
 XX DT 21-NOV-2001 (first entry)  
 XX DE Human reproductive system related antigen SEQ ID NO: 5174.  
 XX KW Human; reproductive system related antigen; reproductive system disorder;  
 KW cancer; gene therapy.  
 XX OS Homo sapiens.  
 XX PN WO200155320-A2.  
 XX PD 02-AUG-2001.  
 XX PF 17-JAN-2001; 2001WO-US01339.  
 XX PR 31-JAN-2000; 2000US-0179065.  
 XX PR 04-FEB-2000; 2000US-0180628.  
 XX PR 24-FEB-2000; 2000US-0184664.  
 XX PR 02-MAR-2000; 2000US-0186350.  
 XX PR 16-MAR-2000; 2000US-0189874.  
 XX PR 17-MAR-2000; 2000US-0190076.  
 XX PR 18-APR-2000; 2000US-0198123.  
 XX PR 19-MAY-2000; 2000US-0205515.  
 XX PR 07-JUN-2000; 2000US-0209467.  
 XX PR 28-JUN-2000; 2000US-0214886.  
 XX PR 30-JUN-2000; 2000US-0215135.  
 XX PR 07-JUL-2000; 2000US-0216647.  
 XX PR 07-JUL-2000; 2000US-0216880.  
 XX PR 11-JUL-2000; 2000US-0217487.  
 XX PR 11-JUL-2000; 2000US-0217496.  
 XX PR 14-JUL-2000; 2000US-0218290.  
 XX PR 26-JUL-2000; 2000US-0220964.  
 XX PR 14-AUG-2000; 2000US-0224518.  
 XX PR 14-AUG-2000; 2000US-0224519.  
 XX PR 14-AUG-2000; 2000US-0225213.  
 XX PR 14-AUG-2000; 2000US-0225214.  
 XX PR 14-AUG-2000; 2000US-0225266.  
 XX PR 14-AUG-2000; 2000US-0225267.  
 XX PR 14-AUG-2000; 2000US-0225268.  
 XX PR 14-AUG-2000; 2000US-0225270.  
 XX PR 14-AUG-2000; 2000US-0225447.  
 XX PR 14-AUG-2000; 2000US-0225757.  
 XX PR 14-AUG-2000; 2000US-0225758.  
 XX PR 14-AUG-2000; 2000US-0225759.  
 XX PR 18-AUG-2000; 2000US-0226279.  
 XX PR 22-AUG-2000; 2000US-0226681.  
 XX PR 22-AUG-2000; 2000US-0226868.  
 XX PR 22-AUG-2000; 2000US-0227182.  
 XX PR 23-AUG-2000; 2000US-0227009.  
 XX PR 30-AUG-2000; 2000US-0228924.  
 XX PR 01-SEP-2000; 2000US-0229287.  
 XX PR 01-SEP-2000; 2000US-0229343.  
 XX PR 01-SEP-2000; 2000US-0229344.  
 XX PR 01-SEP-2000; 2000US-0229345.  
 XX PR 05-SEP-2000; 2000US-0229509.  
 XX PR 05-SEP-2000; 2000US-0229513.  
 XX PR 06-SEP-2000; 2000US-0230437.  
 XX PR 06-SEP-2000; 2000US-0230438.  
 XX PR 08-SEP-2000; 2000US-0231242.  
 XX PR 08-SEP-2000; 2000US-0231243.  
 XX PR 08-SEP-2000; 2000US-0231244.

PR 08-SEP-2000; 2000US-0231413.  
PR 08-SEP-2000; 2000US-0231414.  
PR 08-SEP-2000; 2000US-0232080.  
PR 08-SEP-2000; 2000US-0232081.  
PR 12-SEP-2000; 2000US-0231968.  
PR 14-SEP-2000; 2000US-0232397.  
PR 14-SEP-2000; 2000US-0232398.  
PR 14-SEP-2000; 2000US-0232399.  
PR 14-SEP-2000; 2000US-0232400.  
PR 14-SEP-2000; 2000US-0232401.  
PR 14-SEP-2000; 2000US-0233063.  
PR 14-SEP-2000; 2000US-0233064.  
PR 14-SEP-2000; 2000US-0233065.  
PR 21-SEP-2000; 2000US-0234223.  
PR 21-SEP-2000; 2000US-0234274.  
PR 25-SEP-2000; 2000US-0234997.  
PR 25-SEP-2000; 2000US-0234998.  
PR 26-SEP-2000; 2000US-0235484.  
PR 27-SEP-2000; 2000US-0235834.  
PR 27-SEP-2000; 2000US-0235836.  
PR 29-SEP-2000; 2000US-0236327.  
PR 29-SEP-2000; 2000US-0236367.  
PR 29-SEP-2000; 2000US-0236368.  
PR 29-SEP-2000; 2000US-0236369.  
PR 29-SEP-2000; 2000US-0236370.  
PR 02-OCT-2000; 2000US-0236802.  
PR 02-OCT-2000; 2000US-0237037.  
PR 02-OCT-2000; 2000US-0237038.  
PR 02-OCT-2000; 2000US-0237039.  
PR 02-OCT-2000; 2000US-0237040.  
PR 13-OCT-2000; 2000US-0239935.  
PR 13-OCT-2000; 2000US-0239937.  
PR 20-OCT-2000; 2000US-0240960.  
PR 20-OCT-2000; 2000US-0241826.  
PR 20-OCT-2000; 2000US-0241827.  
PR 20-OCT-2000; 2000US-0241785.  
PR 20-OCT-2000; 2000US-0241786.  
PR 20-OCT-2000; 2000US-0241787.  
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PR 20-OCT-2000; 2000US-0241809.  
PR 01-NOV-2000; 2000US-0241826.  
PR 01-NOV-2000; 2000US-0244617.  
PR 08-NOV-2000; 2000US-0246474.  
PR 08-NOV-2000; 2000US-0246475.  
PR 08-NOV-2000; 2000US-0246476.  
PR 08-NOV-2000; 2000US-0246477.  
PR 08-NOV-2000; 2000US-0246478.  
PR 08-NOV-2000; 2000US-0246523.  
PR 08-NOV-2000; 2000US-0246524.  
PR 08-NOV-2000; 2000US-0246525.  
PR 08-NOV-2000; 2000US-0246526.  
PR 08-NOV-2000; 2000US-0246527.  
PR 08-NOV-2000; 2000US-0246528.  
PR 08-NOV-2000; 2000US-0246529.  
PR 08-NOV-2000; 2000US-0246532.  
PR 08-NOV-2000; 2000US-0246609.  
PR 08-NOV-2000; 2000US-0246610.  
PR 08-NOV-2000; 2000US-0246611.  
PR 08-NOV-2000; 2000US-0246613.  
PR 17-NOV-2000; 2000US-0249207.  
PR 17-NOV-2000; 2000US-0249208.  
PR 17-NOV-2000; 2000US-0249209.  
PR 17-NOV-2000; 2000US-0249210.  
PR 17-NOV-2000; 2000US-0249211.  
PR 17-NOV-2000; 2000US-0249212.  
PR 17-NOV-2000; 2000US-0249213.  
PR 17-NOV-2000; 2000US-0249214.  
PR 17-NOV-2000; 2000US-0249215.  
PR 17-NOV-2000; 2000US-0249216.  
PR 17-NOV-2000; 2000US-0249217.  
PR 17-NOV-2000; 2000US-0249218.  
PR 17-NOV-2000; 2000US-0249244.  
PR 17-NOV-2000; 2000US-0249245.  
PR 17-NOV-2000; 2000US-0249264.  
PR 17-NOV-2000; 2000US-0249265.

PR 17-NOV-2000; 2000US-0249297.  
PR 17-NOV-2000; 2000US-0249299.  
PR 17-NOV-2000; 2000US-0249300.  
PR 01-DEC-2000; 2000US-0250160.  
PR 01-DEC-2000; 2000US-0250391.  
PR 05-DEC-2000; 2000US-0251030.  
PR 05-DEC-2000; 2000US-0251988.  
PR 05-DEC-2000; 2000US-0256719.  
PR 06-DEC-2000; 2000US-0251479.  
PR 08-DEC-2000; 2000US-0251856.  
PR 08-DEC-2000; 2000US-0251868.  
PR 08-DEC-2000; 2000US-0251869.  
PR 08-DEC-2000; 2000US-0251899.  
PR 11-DEC-2000; 2000US-0251990.  
PR 05-JAN-2001; 2000US-0254097.  
PR 05-JAN-2001; 2000US-0259678.  
XX (HUMA-) HUMAN GENOME SCI INC.  
XX  
XX Rosen CA, Barash SC, Ruben SM;  
PI WPI; 2001-465570/50.  
DR N-PSDB; AAL02486.  
DR  
XX  
XX  
XX Isolated nucleic acid molecule encoding a reproductive system antigen -  
is used in preventing, treating or ameliorating a medical condition -  
PS Claim 11; SEQ ID NO 5174; 1297pp + Sequence Listing; English.  
XX  
XX The present invention provides the protein and coding sequences of a  
CC number of human reproductive system related antigens. These can be used  
CC in the prevention and treatment of reproductive system disorders,  
CC including cancer. The present sequence is a protein of the invention.  
XX  
SQ Sequence 61 AA;  
Query Match 100.0%; Score 31; DB 22; Length 61;  
Best Local Similarity 45.5%; Pred.No. 3.7e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVFPXXXXX 11  
Db 49 EEVFPQKKKK 59  
|||||:  
RESULT 53  
ABH43881  
ID ABH43881 standard; Peptide; 99 AA.  
XX  
XX AC ABH43881;  
XX  
XX DT 04-FEB-2002 (first entry)  
XX  
XX DE Peptide #11387 encoded by human foetal liver single exon probe.  
XX Human; foetal liver; gene expression; single exon nucleic acid probe.  
XX Homo sapiens.  
XX WO200157277-A2.  
XX  
XX 09-AUG-2001.  
XX  
XX 30-JAN-2001; 2001WO-US00669.  
XX  
XX 04-FEB-2000; 2000US-0180312.  
XX 26-MAY-2000; 2000US-0207456.  
XX 30-JUN-2000; 2000US-0608408.  
XX 03-AUG-2000; 2000US-0632366.  
XX 21-SEP-2000; 2000US-0234687.  
XX 27-SEP-2000; 2000US-0236359.  
XX 04-OCT-2000; 2000GB-0024263.

PA (MOLE-) MOLECULAR DYNAMICS INC.  
XX Penn SG, Hanzel DK, Chen W, Rank DR;  
PI WPI; 2001-483447/52.  
DR Human genome-derived single exon nucleic acid probes useful for  
XX analyzing gene expression in human fetal liver -  
PT Claim 27; SEQ ID NO 36516; 639pp + sequence listing; English.  
PS The invention relates to a single exon nucleic acid probe for  
XX measuring human gene expression in a sample derived from human foetal  
CC liver. The single exon nucleic acid probes may be used for predicting,  
CC measuring and displaying gene expression in samples derived from human  
CC fetal liver. The present sequence is a peptide encoded by a single exon  
CC nucleic acid probe of the invention.  
CC Note: The sequence data for this patent did not form part of the  
CC printed specification, but was obtained in electronic format directly  
CC from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 99 AA;  
Query Match 100.0%; Score 31; DB 22; Length 99;  
Best Local Similarity 45.5%; Pred. No. 6.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db |||||:||||:  
17 EEVVPALPEPTE 27  
RESULT 54  
ABB26804  
ID ABB26804 standard; Protein; 99 AA.  
XX AC ABB26804;  
DT 23-JAN-2002 (first entry)  
XX DE Protein #8803 encoded by probe for measuring heart cell gene expression.  
XX KW Human; gene expression; heart; microarray; vascular system;  
KW cardiovascular disease; hypertension; cardiac arrhythmia;  
KW congenital heart disease.  
XX OS Homo sapiens.  
XX PN WO200157274-A2.  
XX PD 09-AUG-2001.  
XX PF 30-JAN-2001; 2000US-0180312.  
XX PR 04-FEB-2000; 2000US-0207456.  
XX PR 26-MAY-2000; 2000US-0608408.  
XX PR 30-JUN-2000; 2000US-0632366.  
XX PR 03-AUG-2000; 2000US-0234687.  
XX PR 21-SEP-2000; 2000US-0236359.  
XX PR 27-SEP-2000; 2000US-0024263.  
XX PR 04-OCT-2000; 2000GB-0024263.  
XX PA (MOLE-) MOLECULAR DYNAMICS INC.  
XX PI Penn SG, Hanzel DK, Chen W, Rank DR;  
XX WPI; 2001-488899/53.  
XX Single exon nucleic acid probes for analyzing gene expression in human  
PT hearts -  
XX Claim 15; SEQ ID NO 28574; 530pp; English.  
XX

CC The present invention relates to single exon nucleic acid probes for  
CC measuring human gene expression in a sample derived from human heart (see  
CC ABA21535-ABA41305). The present sequence is a protein encoded by one such  
CC probe. The probes may be used for predicting, measuring and displaying  
CC gene expression in samples derived from the human heart via microarrays.  
CC By measuring gene expression, the probes are useful for predicting,  
CC diagnosing, grading, staging, monitoring and prognosing diseases of the  
CC human heart and vascular system e.g. cardiovascular disease,  
CC hypertension, cardiac arrhythmias and congenital heart disease.  
CC Note: The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 99 AA;  
Query Match 100.0%; Score 31; DB 22; Length 99;  
Best Local Similarity 45.5%; Pred. No. 6.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db |||||:||||:  
17 EEVVPALPEPTE 27  
RESULT 55  
AAM64869  
ID AAM64869 standard; Protein; 99 AA.  
XX AC AAM64869;  
DT 05-NOV-2001 (first entry)  
XX DE Human brain expressed single exon probe encoded protein SEQ ID NO: 36974.  
XX KW Human; brain expressed exon; gene expression analysis; probe;  
KW microarray; Alzheimer's disease; multiple sclerosis; schizophrenia;  
KW epilepsy; cancer.  
XX OS Homo sapiens.  
XX PN WO200157275-A2.  
XX PD 09-AUG-2001.  
XX PF 30-JAN-2001; 2001WO-US00667.  
XX PR 04-FEB-2000; 2000US-0180312.  
XX PR 26-MAY-2000; 2000US-0207456.  
XX PR 30-JUN-2000; 2000US-0608408.  
XX PR 03-AUG-2000; 2000US-0632366.  
XX PR 21-SEP-2000; 2000US-0234687.  
XX PR 27-SEP-2000; 2000US-0236359.  
XX PR 04-OCT-2000; 2000GB-0024263.  
XX PA (MOLE-) MOLECULAR DYNAMICS INC.  
XX PI Penn SG, Hanzel DK, Chen W, Rank DR;  
XX WPI; 2001-483446/52.  
XX Single exon nucleic acid probes for analyzing gene expression in human  
PT brains -  
XX Example 4; SEQ ID NO: 36974; 650pp + Sequence Listing; English.  
XX The present invention provides a number of single exon nucleic acid  
CC probes which are derived from genomic sequences expressed in the human  
CC brain. They can be used to measure gene expression in brain cell samples,  
CC which may enable the diagnosis and improved treatment of nervous system  
CC diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia, f  
CC epilepsy and cancers. The present sequence is a protein encoded by one of  
CC the probes of the invention.  
XX

```
SQ Sequence 99 AA;
Query Match 100.0%; Score 31; DB 22; Length 99;
Best Local Similarity 45.5%; Pred. No. 6.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
Db 17 EEVVPALPEPT 27

RESULT 56
AAM77607
ID AAM77607 standard; Protein; 99 AA.
XX
AC AAM77607;
XX
DT 06-NOV-2001 (first entry)
XX
DE Human bone marrow expressed probe encoded protein SEQ ID NO: 37913.
XX
DE Human bone marrow expressed exon; gene expression analysis; probe;
KW microarray; cancer; leukaemia; lymphoma; myeloma.
KW
OS Homo sapiens.
XX
PN WO200157276-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00668.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
PD WPI; 2001-488900/53.
XX
PT Human genome-derived single exon nucleic acid probes useful for
analyzing gene expression in human bone marrow -
XX
PS Claim 27; SEQ ID NO 26360; 487pp; English.
XX
CC The present invention relates to human single exon nucleic acid probes
(SENP: see AAI10068-AA128459). The present sequence is a peptide encoded
by one such probe. The SENPs are derived from human HeLa cells. The SENPs
can be used to produce a single exon microarray, which can be used for
measuring human gene expression in a sample derived from human cervical
epithelial cells. By measuring gene expression, the probes are therefore
useful in grading and/or staging of diseases of the cervix, notably
cervical cancer.
XX
CC Note: The sequence data for this patent did not form part of the printed
specification, but was obtained in electronic format directly from WIPO
at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 99 AA;
Query Match 100.0%; Score 31; DB 22; Length 99;
Best Local Similarity 45.5%; Pred. No. 6.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
Db 17 EEVVPALPEPT 27

RESULT 57
AAM21534
ID AAM21534 standard; Protein; 99 AA.
XX
AC AAM21534;
XX
DT 12-OCT-2001 (first entry)
XX
DE Peptide #7968 encoded by probe for measuring cervical gene expression.
KW Probe; human; microarray; gene expression; cervical epithelial cell;
KW cervical cancer.
XX
OS Homo sapiens.
XX
PN WO200157278-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00670.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
PD WPI; 2001-488901/53.
XX
PT Human genome-derived single exon nucleic acid probes useful for
analyzing gene expression in human cervical epithelial cells -
XX
PS Claim 27; SEQ ID NO 26360; 487pp; English.
XX
CC The present invention relates to human single exon nucleic acid probes
(SENP: see AAI10068-AA128459). The present sequence is a peptide encoded
by one such probe. The SENPs are derived from human HeLa cells. The SENPs
can be used to produce a single exon microarray, which can be used for
measuring human gene expression in a sample derived from human cervical
epithelial cells. By measuring gene expression, the probes are therefore
useful in grading and/or staging of diseases of the cervix, notably
cervical cancer.
XX
CC Note: The sequence data for this patent did not form part of the printed
specification, but was obtained in electronic format directly from WIPO
at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 99 AA;
Query Match 100.0%; Score 31; DB 22; Length 99;
Best Local Similarity 45.5%; Pred. No. 6.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
Db 17 EEVVPALPEPT 27

RESULT 58
AAM37801
ID AAM37801 standard; Protein; 99 AA.
XX
AC AAM37801;
XX
DT 17-OCT-2001 (first entry)
XX
DE Peptide #11838 encoded by probe for measuring placental gene expression.
KW Probe; microarray; human; placenta; antenatal diagnosis;
KW genetic disorder.
XX
OS Homo sapiens.
```

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XX WO200157272-A2.
PN
XX
XX 09-AUG-2001.
XX
XX 30-JAN-2001; 2001WO-US00663.
XX
XX 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
XX (MOLE-) MOLECULAR DYNAMICS INC.
PA
XX Penn SG, Hanzel DK, Chen W, Rank DR;
PI WPI; 2001-488897/53.
XX
XX Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human placenta -
XX
XX Claim 27; SEQ ID No 38070; 654pp; English.
XX
XX The present invention relates to single exon nucleic acid probes (SENP:
CC see AA131315-AA157546). The present sequence is a peptide encoded by one
CC such probe. The probes are useful for producing a microarray for
CC predicting, measuring and displaying gene expression in samples derived
CC from human placenta. The probes are useful for antenatal diagnosis of
CC human genetic disorders.
XX
XX Sequence 99 AA;
SQ
Query Match 100.0%; Score 31; DB 22; Length 99;
Best Local Similarity 45.5%; Pred. NO. 6.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
DB 17 EEVVPALPEPTE 27
RESULT 59
ID ABG46642
XX ABG46642 standard; Peptide; 99 AA.
XX
XX AC ABG46642;
XX
XX 19-AUG-2002 (first entry)
DT
XX
XX Human peptide encoded by genome-derived single exon probe SEQ ID 36307.
XX
XX Human; single exon probe; asthma; lung cancer; COPD; ILD;
KW chronic obstructive pulmonary disease; interstitial lung disease;
KW familial idiopathic pulmonary fibrosis; neurofibromatosis;
KW tuberous sclerosis; Gaucher's disease; Niemann-Pick disease;
KW Hermansky-Pudlak syndrome; sarcoidosis; pulmonary haemosiderosis;
KW pulmonary histiocytosis; lymphangioleiomyomatosis; Karagener syndrome;
KW pulmonary alveolar proteinosis; fibrocystic pulmonary dysplasia;
KW primary ciliary dyskinesia; pulmonary hypertension;
KW hyaline membrane disease.
XX
XX Homo sapiens.
OS
XX
XX WO200186003-A2.
PN
XX
XX 15-NOV-2001.
XX
XX 30-JAN-2001; 2001WO-US00665.
PF
XX
XX 04-FEB-2000; 2000US-180312P.
PR

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PR 26-MAY-2000; 2000US-207456P.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-234687P.
PR 27-SEP-2000; 2000US-236359P.
PR 04-OCT-2000; 2000GB-0024263.
XX
XX (MOLE-) MOLECULAR DYNAMICS INC.
PA
XX Penn SG, Hanzel DK, Chen W, Rank DR;
PI WPI; 2002-114183/15.
XX
XX Spatially-addressable set of single exon nucleic acid probes, used to
PT measure gene expression in human lung samples -
XX
XX Claim 27; SEQ ID No 36307; 634pp; English.
XX
XX The invention relates to a spatially-addressable set of single exon
CC nucleic acid probes for measuring gene expression in a sample derived
CC from human lung comprising single exon nucleic acid probes having one of
CC 12614 nucleic acid sequences mentioned in the specification, or their
CC complements or the 12387 open reading frames derived from the 12614
CC probes. Also included are a microarray comprising the novel set of
CC probes; the novel set of probes which hybridise at high stringency to a
CC nucleic acid expressed in the human lung; measuring gene expression in a
CC sample derived from human lung, comprising (a) contacting the array with
CC nucleic acid expressed in the human lung; measuring gene expression in a
CC collection of detectably labeled nucleic acids derived from human lung
CC mRNA, and (b) measuring the label detectably bound to each probe of
CC the array; identifying exons in a eukaryotic genome, comprising
CC (a) algorithmically predicting at least one exon from genomic sequences
CC of the eukaryote; and (b) detecting specific hybridisation of detectably
CC labeled nucleic acids from eukaryote lung mRNA, to a single exon probe,
CC having a fragment identical to the predicted exon, the probe is included
CC in the above mentioned microarray; assigning exons to a single gene,
CC comprising (a) identifying exons from genomic sequence by the method
CC above and (b) measuring the expression of each of the exons in several
CC tissues and/or cell types using hybridisation to a single exon
CC microarrays having a probe with the exon, where a common pattern of
CC expression of the exons in the tissues and/or cell types indicates that
CC the exons should be assigned to a single gene; a peptide comprising one
CC of 12011 sequences, mentioned in the specification, or encoded by the
CC probes/open reading frames (ORF). The probes are used for gene
CC expression analysis, and for identifying exons in a gene, particularly
CC using human lung derived mRNA and for the study of lung diseases
CC such as asthma, lung cancer, chronic obstructive pulmonary disease
CC (COPD), interstitial lung disease (ILD), familial idiopathic pulmonary
CC fibrosis, neurofibromatosis, tuberous sclerosis, Gaucher's disease,
CC Niemann-Pick disease, Hermansky-Pudlak syndrome, sarcoidosis, pulmonary
CC haemosiderosis, pulmonary histiocytosis, lymphangioleiomyomatosis,
CC pulmonary alveolar proteinosis, Karagener syndrome, fibrocystic
CC pulmonary dysplasia, primary ciliary dyskinesia, pulmonary hypertension
CC and hyaline membrane disease. The present sequence is a peptide/protein
CC encoded by a single exon probe of the invention.
XX Note: The sequence data for this patent did not form part
CC of the printed specification, but was obtained in electronic
CC format directly from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences.
XX
XX Sequence 99 AA;
SQ
Query Match 100.0%; Score 31; DB 23; Length 99;
Best Local Similarity 45.5%; Pred. NO. 6.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
DB 17 EEVVPALPEPTE 27
RESULT 60
AU46759
ID AAU46759 standard; Protein; 113 AA.

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XX AC AAU46759;  
 XX DT 27-FEB-2002 (first entry)  
 XX DE Propionibacterium acnes immunogenic protein #7655.  
 XX KW SAPHO syndrome; synovitis; acne; pustulosis; hypertonosis; osteomyelitis;  
 KW uveitis; endophthalmitis; bone; joint; central nervous system; ELISA;  
 KW inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay;  
 KW dermatological; osteopathic; neuroprotectant.  
 XX OS Propionibacterium acnes.  
 XX PN WO200181581-A2.  
 XX PD 01-NOV-2001.  
 XX PF 20-APR-2001; 2001WO-US12865.  
 XX PR 21-APR-2000; 2000US-199047P.  
 XX PR 02-JUN-2000; 2000US-208841P.  
 XX PR 07-JUL-2000; 2000US-216747P.  
 XX PA (CORI-) CORIXA CORP.  
 XX PI Skelky YAW, Persing DH, Mitcham JL, Wang SS, Bhatia A;  
 PI L'maisonneuve J, Zhang Y, Jen S, Carter D;  
 XX WPI; 2001-616774/71.  
 XX DR N-PSDB; AAS95535.  
 XX PT Propionibacterium acnes polypeptides and nucleic acids useful for  
 PT vaccinating against and diagnosing infections, especially useful for  
 PT treating acne vulgaris -  
 XX Example 1; SEQ ID No 7954; 1069pp; English.  
 XX Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic  
 CC polypeptides. The proteins and their associated DNA sequences are used in  
 CC the treatment, prevention and diagnosis of medical conditions caused by  
 CC P. acnes. The disorders include SAPHO syndrome (synovitis, acne,  
 CC pustulosis, hypertonosis and osteomyelitis), uveitis and endophthalmitis.  
 CC P. acnes is also involved in infections of bone, joints and the central  
 CC nervous system, however it is particularly involved in the inflammatory  
 CC lesions associated with acne vulgaris. A method for detecting the  
 CC presence or absence of P. acnes in a patient comprises contacting a  
 CC sample with a binding agent that binds to the proteins of the invention  
 CC and determining the amount of bound protein in the sample. The  
 CC polypeptides may be used as antigens in the production of antibodies  
 CC specific for P. acnes proteins. These antibodies can be used to  
 CC downregulate expression and activity of P. acnes polypeptides and  
 CC therefore treat P. acnes infections. The antibodies may also be used as  
 CC diagnostic agents for determining P. acnes presence, for example, by  
 CC enzyme linked immunosorbent assay (ELISA).  
 CC Note: The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX SQ Sequence 113 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 113;  
 Best Local Similarity 45.5%; Pred. No. 7.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 Db 91 EEVFGTGLP 101  
 RESULT 61  
 ABP38069  
 ID ABP38069 standard; Protein; 115 AA.

XX AC ABP38069;  
 XX DT 24-JUL-2002 (first entry)  
 XX DE Staphylococcus epidermidis ORF amino acid sequence SEQ ID NO:2914.  
 XX KW Staphylococcus epidermidis; open reading frame; ORF; bacterial infection;  
 KW antibacterial; gene therapy.  
 XX OS Staphylococcus epidermidis.  
 XX PN US6380370-B1.  
 XX PD 30-APR-2002.  
 XX PF 13-AUG-1998; 98US-0134001.  
 XX PR 14-AUG-1997; 97US-055779P.  
 XX PR 08-NOV-1997; 97US-064964P.  
 XX PA (GENO-) GENOME THERAPEUTICS CORP.  
 XX PI Doucette-Stamm LA, Bush D;  
 XX WPI; 2002-381255/41.  
 XX DR N-PSDB; ABN90614.  
 XX PT Novel isolated nucleic acid encoding a Staphylococcus epidermidis  
 PT polypeptide, useful for diagnosing and treating bacterial infections -  
 XX Disclosure; SEQ ID 2914; 267pp; English.  
 XX ABN90538 to ABN93374 represent Staphylococcus epidermidis open reading  
 CC frame (ORF) nucleic acid sequences which encode the amino acid sequences  
 CC given in ABP35124 to ABP37960. The S. epidermidis sequences have  
 CC antibacterial activity and can be used in gene therapy. The sequences  
 CC can also be used in the diagnosis and treatment of bacterial infections,  
 CC particularly S. epidermidis infections. The sequences can be used to  
 CC screen for compounds able to interfere with the S. epidermidis life  
 CC cycle or inhibit S. epidermidis infection.  
 CC N.B. The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from the  
 CC USPTO web site.  
 XX SQ Sequence 115 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 115;  
 Best Local Similarity 45.5%; Pred. No. 7.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 Db 17 EEVPTVVVDL 27  
 RESULT 62  
 AAB40460  
 ID AAB40460 standard; Protein; 117 AA.  
 XX AC AAB40460;  
 XX DT 08-FEB-2001 (first entry)  
 XX DE Human ORFX ORF224 polypeptide sequence SEQ ID NO:448.  
 XX KW Human; open reading frame; ORFX; detection; cytostatic; hepatotropic;  
 KW vulnery; antipsoriatic; antiparkinsonian; nootropic; neuroprotective;  
 KW anticonvulsant; osteopathic; antiarthritic; immunosuppressant; cardant;  
 KW immunostimulant; thrombolytic; coagulant; vasotropic; antidiabetic;  
 KW hypotensive; dermatological; immunosuppressive; antiinflammatory;  
 KW antiviral; antibacterial; antifungal; antirheumatic; antithyroid;  
 KW antianaemic; gene therapy; cancer; proliferative disorder; hypertension;

KW neurodegenerative disorder; osteoarthritis; graft vs host disease;  
 KW cardiovascular disease; diabetes mellitus; hypothyroidism; SCID; AIDS;  
 KW cholesterol ester storage; systemic lupus erythematosus; infection;  
 KW severe combined immunodeficiency; malaria; autoimmune disorder; asthma;  
 KW allergy; aplastic anaemia; nocturnal haemoglobinuria; burn; wound;  
 KW bone damage; cartilage damage; antiinflammatory disease; coagulation;  
 KW thrombosis; contraceptive.  
 XX  
 OS Homo sapiens.  
 XX  
 XX WO200058473-A2.  
 XX  
 XX PD 05-OCT-2000.  
 XX  
 XX PF 31-MAR-2000; 2000WO-US08621.  
 XX  
 XX PR 31-MAR-1999; 99US-0127607.  
 XX  
 XX PR 02-APR-1999; 99US-0127636.  
 XX  
 XX PR 05-APR-1999; 99US-0127728.  
 XX  
 XX PR 30-MAR-2000; 2000US-0540763.  
 XX  
 XX PA (CURA-) CURAGEN CORP.  
 XX  
 XX PI Shimkets RA, Leach M;  
 XX  
 XX DR WPI; 2000-602362/57.  
 XX  
 XX DR N-PSDB; AAC74669.  
 XX  
 XX PT Novel nucleic acids and peptides derived from open reading frame X,  
 XX useful for treating e.g. cancers, proliferative disorders,  
 XX neurodegenerative disorders and cardiovascular disease -  
 XX  
 XX PS Claim 11; Page 655; 5507pp; English.  
 XX  
 XX CC AAC74446 to AAC7606 encode the proteins given in AAB40237 to AAB43397,  
 XX which represent the human ORFX open reading frames 1 to 3161. The ORFX  
 XX sequences have activities such as: cytostatic; hepatotropic; vulnary;  
 XX antipsoriatic; antiparkinsonian; nootropic; neuroprotective;  
 XX osteopathic; anticonvulsant; antiarthritic; immunosuppressant;  
 XX immunostimulant; cardiant; thrombolytic; coagulant; vasotropic;  
 XX antidiabetic; hypotensive; dermatological; immunosuppressive;  
 XX antiinflammatory; antibacterial; antiviral; antifungal; antirheumatic;  
 XX antithyroid; and antianaemic. The sequences can be used for determining  
 XX the presence of or predisposition to, or preventing or treating  
 XX pathological conditions associated with an ORFX-associated disorder. The  
 XX nucleic acids can be used to express ORFX proteins in gene therapy  
 XX vectors. The proteins and nucleic acids may be used to treat cancers,  
 XX proliferative disorders, neurodegenerative disorders, osteoarthritis,  
 XX graft vs host disease, cardiovascular disease, diabetes mellitus,  
 XX hypertension, hypothyroidism, cholesterol ester storage, systemic lupus  
 XX erythematosus, severe combined immunodeficiency (SCID), AIDS, viral,  
 XX bacterial or fungal infection, malaria, autoimmune disorders, asthma,  
 XX allergies, aplastic anaemia, burns, wounds, bone and cartilage damage,  
 XX nocturnal haemoglobinuria, antiinflammatory disease; to enhance  
 XX coagulation; to inhibit thrombosis; and as a contraceptive.  
 XX  
 XX SQ Sequence 117 AA;  
 Query Match 100.0%; Score 31; DB 21; Length 117;  
 Best Local Similarity 45.5%; Pred. No. 7.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 85 EEVVPSPHCL 95  
 RESULT 63  
 AAW69418  
 ID AAW69418 standard; Protein: 120 AA.  
 XX  
 XX AC AAW69418;  
 XX  
 XX PD 17-SEP-1998.

DT 09-DEC-1998 (first entry)  
 XX  
 DE Protein encoded by Insertion sequence element.  
 XX  
 XX Insertion sequence element; IS element; terminal repeat; infection.  
 KW  
 KW Pseudomonas glumae.  
 OS  
 XX JP10248573-A.  
 XX  
 XX PD 22-SEP-1998.  
 XX  
 XX PF 11-MAR-1997; 97JP-0056741.  
 XX  
 XX PR 11-MAR-1997; 97JP-0056741.  
 XX  
 XX PA (NORQ ) NORINSUISANSHO NOGYO SEIBUTSU SHIGEN.  
 XX  
 XX WPI; 1998-560725/48.  
 XX  
 XX DR N-PSDB; AAV58738.  
 XX  
 XX PT Three types of Insertion sequence derived from Pseudomonas glumae -  
 XX useful for elucidation of infection path of Pseudomonas glumae  
 XX  
 XX PS Claim 1; Page 10-11; 18pp; Japanese.  
 XX  
 XX CC This sequence represents the protein encoded by the open reading frame  
 XX contained in the insertion sequence (IS) element of the invention. The IS  
 XX sequence contains the DNA encoding this sequence between two inverted  
 XX terminal repeats, and can be used for the elucidation of infection paths  
 XX of Pseudomonas glumae.  
 XX  
 XX SQ Sequence 120 AA;  
 Query Match 100.0%; Score 31; DB 19; Length 120;  
 Best Local Similarity 45.5%; Pred. No. 7.9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 64 EEVVPASELAD 74  
 RESULT 64  
 AAW75228  
 ID AAW75228 standard; Protein: 121 AA.  
 XX  
 XX AC AAW75228;  
 XX  
 XX DT 29-JAN-1999 (first entry)  
 XX  
 XX DE Human secreted protein encoded by gene 17 clone HPM9Q91.  
 XX  
 KW Human; secreted protein; fusion protein; gene therapy; protein therapy;  
 KW diagnosis; tissue; cancer; tumour; neurodegenerative disorder; leukaemia;  
 KW developmental abnormality; foetal deficiency; blood; allergy; renal;  
 KW immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma;  
 KW inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS;  
 KW cognitive disorder; schizophrenia; prostate; obesity; osteoclast; thymus;  
 KW osteoporosis; arthritis; testis; lung; thyroiditis; thyroid; digestion;  
 KW endocrine; metabolism; regulation; malabsorption; gastritis; neoplasm.  
 XX  
 XX OS Homo sapiens.  
 XX  
 XX Key Location/Qualifiers  
 XX FT Misc-difference 67  
 XX FT Misc-difference 89 /label= unknown  
 XX FT Misc-difference 89 /label= unknown  
 XX  
 XX PN WO9840483-A2.  
 XX  
 XX PD 17-SEP-1998.





KW human neutrophil activation; ADCC capability;  
 KW superoxide anion production; gene therapy.

XX Homo sapiens.

XX WO9855612-A1.

XX 10-DEC-1998.

XX 28-MAY-1998; 98WO-US10842.

XX 02-JUN-1997; 97US-0048290.

XX (ZYMO) ZYMOGENETICS INC.

XX Sheppard PO;

XX WPI; 1999-070268/06.

XX N-PSDB; AAX15447.

XX New isolated neurokinin polypeptides, zneurok1 - used to develop  
 PT products for modulating e.g. inflammation, mionception, emesis,  
 PT muscle contraction, hormone secretion, DNA synthesis or cell growth

XX Claim 3; Page 76-77; 100pp; English.

XX The present sequence represents a human zneurok1 polypeptide. The  
 CC polypeptide releases a neurokinin B polypeptide in the presence  
 CC of a prohormone convertase capable of cleaving dibasic amino  
 CC acids. The zneurok1 polypeptides can be used for modulating inflammation,  
 CC nonception or emesis. The polypeptides, fragments, fusion proteins,  
 CC agonists, antagonists or antibodies may also modulate contraction,  
 CC hormone secretion, DNA synthesis or cell growth. Inositol phosphate  
 CC turnover, arachidonate release, phospholipase-C activation, gastric  
 CC emptying, human neutrophil activation or ADCC capability, or superoxide  
 CC anion production. The polynucleotides can also be used for gene therapy.  
 CC The products can also be used for detection, diagnosis and screening  
 CC assays.

SQ Sequence 121 AA;

Query Match 100.0%; Score 31; DB 20; Length 121;

Best Local Similarity 45.5%; Pred. No. 7.9e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

DB 28 EEVVPGGGRSK 38

RESULT 67

AAW74413

ID AAW74413 standard; Protein; 121 AA.

XX AAW74413;

XX 10-MAY-1999 (first entry)

XX HPMBQ91 protein sequence.

KW HPMBQ91; neurokinin B precursor; neuronal disorder; CNS related disorder;  
 KW gastrointestinal disorder; cardiovascular disorder; metabolic disorder;  
 KW smooth muscle disorder; inflammatory disorder; cancer; gene therapy.

XX Homo sapiens.

XX EP892053-A2.

XX 20-JAN-1999.

XX 26-JUN-1998; 98EP-0305066.

XX 14-JUL-1997; 97EP-0305215.

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SQ

Sequence 121 AA;

Query Match 100.0%; Score 31; DB 20; Length 121;

Best Local Similarity 45.5%; Pred. No. 7.9e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

DB 28 EEVVPGGGRSK 38

RESULT 68

AAAB2380

ID AAB82380 standard; protein; 121 AA.

XX AAB82380;

XX 23-JUL-2001 (first entry)

XX Human neurokinin B precursor.

XX Neurokinin B; human; pregnancy; hypertension; pre-eclampsia;  
 KW diagnosis; therapy.

XX Homo sapiens.

XX Key Location/Qualifiers

XX Peptide 81..91

XX /label= Neurokinin

XX WO200136979-A2.

XX 25-MAY-2001.

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XX PF 10-NOV-2000; 2000WO-GB04315.  
 XX PR 16-NOV-1999; 99GB-0027125.  
 XX PA (UYRE-) UNIV READING.  
 XX PI Page N, Lowry P;  
 XX DR WPI; 2001-355676/37.  
 XX DR N-PSDB; AAF90333, AAF90334.  
 XX PT Detecting production of the human precursor of neurokinin B by the  
 XX PT placenta in pregnancy induced hypertension or pre-eclampsia or related  
 XX PT foetal complication  
 XX PS Example 1; Fig 1; 63pp; English.  
 XX CC The present sequence is that of human neurokinin B (NKB) precursor.  
 XX CC The cloning of placental cDNA (see AAF90333) was used to identify  
 XX CC the NKB precursor. The precursor is processed to the 10-amino acid  
 XX CC NKB peptide. Detection of raised plasma levels of NKB, NKB  
 XX CC precursor, its breakdown product or variants at an early stage of  
 XX CC pregnancy provide an indication of the likely development of  
 XX CC levels of circulating NKB (or reduction of its effects) will  
 XX CC ameliorate the adverse effects upon the mother seen in these  
 XX CC conditions. Thus, the invention provides methods for predicting or  
 XX CC diagnosing pregnancy induced hypertension, pre-eclampsia or  
 XX CC related foetal complication based on measuring NKB levels in the  
 XX CC blood, and methods for preventing or treating NKB levels in the  
 XX CC e.g. by administering an agent that inhibits these conditions,  
 XX CC effect of NKB, such as an NK1, NK2 or NK3 antagonist.  
 XX SQ Sequence 121 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 121;  
 Best Local Similarity 45.5%; Pred. No. 7.9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPVXXXXX 11  
 DB 28 EEVVPVGGGRSK 38  
 RESULT 69  
 AAW96144  
 ID AAW96144 standard; Protein; 122 AA.  
 AC AAW96144;  
 XX 27-APR-1999 (first entry)  
 XX Human preprotachykinin B.  
 XX Preprotachykinin B; PPT-B; neoplastic disorder;  
 KW neurological disorder; Alzheimer's disease; amnesia;  
 KW cerebral neoplasms; dementia; depression; Down's syndrome;  
 KW Huntington's disease; multiple sclerosis; Parkinson's disease;  
 KW paraneoplastic psychoses; schizophrenia; Tourette's disorder; angina;  
 KW anaphylactic shock; asthma; cardiovascular shock;  
 KW myocardial infarction; migraine.  
 XX Homo sapiens.  
 OS  
 XX Key Location/Qualifiers  
 FH Misc-difference 104  
 FT /label= Leu, Ser or Trp  
 XX W09857986-A2.  
 XX PD 23-DEC-1998.  
 XX

PF 19-JUN-1998; 98WO-US12855.  
 XX 19-JUN-1997; 97US-0879995.  
 XX (INCY-) INCYTE PHARM INC.  
 XX Hillman JJ, Kaser MR, Lal P;  
 XX WPI; 1999-080948/07.  
 XX DR N-PSDB; AAX08906.  
 XX New human preprotachykinin B - useful for treating neurological  
 XX disorders and cancer  
 XX Claim 1; Page 48-49; 57pp; English.  
 XX Human preprotachykinin B (PPT-B) can be used to treat a  
 XX neurological disorder. Antagonists of PPT-B can also be used in  
 XX the treatment of neoplastic disorders. Particular neurological,  
 XX disorders include akathisia, Alzheimer's disease, amnesia,  
 XX amyotrophic lateral sclerosis, bipolar disorder, catatonias,  
 XX cerebral neoplasms, dementia, depression, Down's syndrome, tardive  
 XX dyskinesia, dystonias, Huntington's disease, multiple sclerosis,  
 XX neurofibromatosis, Parkinson's disease, paranoid psychoses,  
 XX schizofrenia, and Tourette's disorder. PPT-B or its agonist can  
 XX also be used to treat angina, anaphylactic shock, arrhythmias,  
 XX asthma, cardiovascular shock, Cushing's syndrome, hypertension,  
 XX hypoglycemia, myocardial infarction, migraine and pheochromocytoma.  
 XX SQ Sequence 122 AA;  
 Query Match 100.0%; Score 31; DB 20; Length 122;  
 Best Local Similarity 45.5%; Pred. No. 8e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPVXXXXX 11  
 DB 28 EEVVPVGGGRSK 38  
 RESULT 70  
 AAB33445  
 ID AAB33445 standard; Protein; 135 AA.  
 XX AAB33445;  
 XX 29-JAN-2001 (first entry)  
 XX Human PRO1155 protein UNQ585 SEQ ID NO:157.  
 KW Human; immune related disease; diagnosis; antiinflammatory; cardiant;  
 KW dermatological; antiarthritic; antirheumatic; immunosuppressive;  
 KW haemostatic; antithyroid; antidiabetic; nootropic; neuroprotective;  
 KW antianaemic; hepatotropic; virucide; antipsoriatic; antiallergic;  
 KW antioarthritis; systemic lupus erythematosus; rheumatoid arthritis;  
 KW idiopathic inflammatory myopathy; Sjogren's syndrome; thyroiditis;  
 KW systemic vasculitis; autoimmune haemolytic anaemia; diabetes mellitus;  
 KW autoimmune thrombocytopaenia; immune-mediated renal disease;  
 KW demyelinating disease; hepatobiliary disease; Whipple's disease;  
 KW inflammatory bowel disease; gluten-sensitive enteropathy;  
 KW autoimmune disease; immune-mediated skin disease; allergic disease;  
 KW immunological disease; transplantation associated disease;  
 KW graft rejection; graft-versus-host-disease.  
 XX Homo sapiens.  
 OS  
 XX WO2000053758-A2.  
 XX 14-SEP-2000.  
 XX 02-MAR-2000; 2000WO-US05841.  
 XX

PR 08-MAR-1999; 99WO-US05028.  
 PR 10-MAR-1999; 99US-0123618.  
 PR 12-MAR-1999; 99US-0123957.  
 PR 23-MAR-1999; 99US-0125775.  
 PR 12-APR-1999; 99US-0128849.  
 PR 20-APR-1999; 99WO-US08615.  
 PR 28-APR-1999; 99US-0131445.  
 PR 04-MAY-1999; 99US-0132371.  
 PR 14-MAY-1999; 99US-0134287.  
 PR 02-JUN-1999; 99WO-US12252.  
 PR 23-JUN-1999; 99US-0141037.  
 PR 20-JUL-1999; 99US-0144758.  
 PR 26-JUL-1999; 99US-0145698.  
 PR 28-JUL-1999; 99US-0146222.  
 PR 01-SEP-1999; 99WO-US20111.  
 PR 08-SEP-1999; 99WO-US20594.  
 PR 13-SEP-1999; 99WO-US20944.  
 PR 15-SEP-1999; 99WO-US21090.  
 PR 15-SEP-1999; 99WO-US21547.  
 PR 05-OCT-1999; 99WO-US22089.  
 PR 29-OCT-1999; 99US-0162506.  
 PR 29-NOV-1999; 99WO-US28214.  
 PR 30-NOV-1999; 99WO-US28313.  
 PR 30-NOV-1999; 99WO-US28409.  
 PR 01-DEC-1999; 99WO-US28301.  
 PR 01-DEC-1999; 99WO-US28634.  
 PR 02-DEC-1999; 99WO-US28551.  
 PR 02-DEC-1999; 99WO-US28564.  
 PR 02-DEC-1999; 99WO-US28565.  
 PR 16-DEC-1999; 99WO-US30095.  
 PR 20-DEC-1999; 99WO-US30999.  
 PR 30-DEC-1999; 99WO-US31274.  
 PR 05-JAN-2000; 2000WO-US00219.  
 PR 06-JAN-2000; 2000WO-US00277.  
 PR 06-JAN-2000; 2000WO-US00376.  
 PR 11-FEB-2000; 2000WO-US03565.  
 PR 18-FEB-2000; 2000WO-US04341.  
 PR 18-FEB-2000; 2000WO-US04342.  
 PR 22-FEB-2000; 2000WO-US04414.  
 XX (GETH ) GENENTECH INC.  
 PA Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hebert C, Henzel W;  
 PI Kabakoff RC, Lu Y, Pan J, Pennica D, Shelton DL, Smith V;  
 PI Stewart TA, Tumas D, Watanabe CK, Wood WI, Yan M;  
 XX WPI; 2000-572271/53.  
 DR N-PSDB; AAC58610.  
 XX  
 XX Sixty four PRO polypeptides, useful in the diagnosis and treatment of  
 PT immune related disorders, e.g. systemic lupus erythematosus, rheumatoid  
 PT arthritis, osteoarthritis, thyroiditis and diabetes mellitus -  
 XX  
 PS Claim 33; Fig 64; 309pp; English.  
 XX  
 XX The present invention describes sixty four human PRO proteins which can  
 CC be used in the treatment of immune related diseases. The human PRO  
 CC proteins, anti-PRO antibodies, agonists and antagonists are useful for  
 CC treating and diagnosing immune related disorders. The disorders are  
 CC selected from systemic lupus erythematosus, rheumatoid arthritis,  
 CC osteoarthritis, juvenile chronic arthritis, spondyloarthropathies,  
 CC systemic sclerosis, idiopathic inflammatory myopathies, Sjogren's  
 CC syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic  
 CC anaemia, autoimmune thrombocytopenia, thyroiditis, diabetes mellitus,  
 CC immune-mediated renal disease, demyelinating diseases of the central  
 CC and peripheral nervous systems, hepatobiliary diseases, inflammatory  
 CC bowel disease, gluten-sensitive enteropathy and Whipple's disease,  
 CC autoimmune or immune-mediated skin diseases, allergic diseases,  
 CC autoimmune diseases of the lung, and transplantation associated  
 CC diseases including graft rejection and graft-versus-host-disease.  
 CC AAC58397 to AAC58578 represent PCR primers and hybridisation probes used  
 CC in the isolation of human PRO sequences. AAC58579 to AAC58642 and  
 CC AAB33414 to AAB33477 represent human PRO polynucleotide and protein

CC sequences given in the exemplification of the present invention.  
 XX  
 SQ Sequence 135 AA;  
 Query Match 100.0%; Score 31; DB 21; Length 135;  
 Best Local Similarity 45.5%; Pred. NO. 9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EGVVPPXXXXX 11  
 Db 28 EGVVPGGGRSK 38  
 RESULT 71  
 RAY66739  
 ID AAY66739 standard; protein; 135 AA.  
 XX  
 AC AAY66739;  
 XX  
 DT 05-APR-2000 (first entry)  
 XX  
 DE Membrane-bound protein PRO1155.  
 XX  
 KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;  
 KW pharmaceutical; receptor immunoadhesin; gene mapping.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO9963088-A2.  
 XX  
 PD 09-DEC-1999.  
 XX  
 PF 02-JUN-1999; 99WO-US12252.  
 XX  
 PR 02-JUN-1998; 98US-0087607.  
 PR 02-JUN-1998; 98US-0087609.  
 PR 02-JUN-1998; 98US-0087759.  
 PR 03-JUN-1998; 98US-0087827.  
 PR 04-JUN-1998; 98US-0088021.  
 PR 04-JUN-1998; 98US-0088025.  
 PR 04-JUN-1998; 98US-0088028.  
 PR 04-JUN-1998; 98US-0088029.  
 PR 04-JUN-1998; 98US-0088030.  
 PR 04-JUN-1998; 98US-0088033.  
 PR 04-JUN-1998; 98US-0088326.  
 PR 05-JUN-1998; 98US-0088167.  
 PR 05-JUN-1998; 98US-0088202.  
 PR 05-JUN-1998; 98US-0088212.  
 PR 05-JUN-1998; 98US-0088217.  
 PR 09-JUN-1998; 98US-0088655.  
 PR 10-JUN-1998; 98US-0088722.  
 PR 10-JUN-1998; 98US-0088730.  
 PR 10-JUN-1998; 98US-0088734.  
 PR 10-JUN-1998; 98US-0088738.  
 PR 10-JUN-1998; 98US-0088740.  
 PR 10-JUN-1998; 98US-0088741.  
 PR 10-JUN-1998; 98US-0088742.  
 PR 10-JUN-1998; 98US-0088810.  
 PR 10-JUN-1998; 98US-0088811.  
 PR 10-JUN-1998; 98US-0088824.  
 PR 10-JUN-1998; 98US-0088825.  
 PR 10-JUN-1998; 98US-0088826.  
 PR 11-JUN-1998; 98US-0088858.  
 PR 11-JUN-1998; 98US-0088861.  
 PR 11-JUN-1998; 98US-0088863.  
 PR 11-JUN-1998; 98US-0088876.  
 PR 12-JUN-1998; 98US-0089090.  
 PR 12-JUN-1998; 98US-0089105.  
 PR 16-JUN-1998; 98US-0089440.  
 PR 16-JUN-1998; 98US-0089512.  
 PR 16-JUN-1998; 98US-0089514.  
 PR 17-JUN-1998; 98US-0089532.  
 PR 17-JUN-1998; 98US-0089538.

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PR 17-JUN-1998; 98US-0089598.
PR 17-JUN-1998; 98US-0089599.
PR 17-JUN-1998; 98US-0089600.
PR 17-JUN-1998; 98US-0089653.
PR 18-JUN-1998; 98US-0089801.
PR 18-JUN-1998; 98US-0089907.
PR 18-JUN-1998; 98US-0089908.
PR 19-JUN-1998; 98US-0089947.
PR 19-JUN-1998; 98US-0089948.
PR 19-JUN-1998; 98US-0089952.
PR 22-JUN-1998; 98US-0090246.
PR 22-JUN-1998; 98US-0090252.
PR 22-JUN-1998; 98US-0090254.
PR 23-JUN-1998; 98US-0090349.
PR 23-JUN-1998; 98US-0090355.
PR 24-JUN-1998; 98US-0090429.
PR 24-JUN-1998; 98US-0090431.
PR 24-JUN-1998; 98US-0090435.
PR 24-JUN-1998; 98US-0090444.
PR 24-JUN-1998; 98US-0090445.
PR 24-JUN-1998; 98US-0090472.
PR 24-JUN-1998; 98US-0090471.
PR 24-JUN-1998; 98US-0090535.
PR 24-JUN-1998; 98US-0090538.
PR 24-JUN-1998; 98US-0090540.
PR 24-JUN-1998; 98US-0090557.
PR 25-JUN-1998; 98US-0090676.
PR 25-JUN-1998; 98US-0090678.
PR 25-JUN-1998; 98US-0090688.
PR 25-JUN-1998; 98US-0090690.
PR 25-JUN-1998; 98US-0090691.
PR 25-JUN-1998; 98US-0090694.
PR 25-JUN-1998; 98US-0090695.
PR 25-JUN-1998; 98US-0090696.
PR 26-JUN-1998; 98US-0090862.
PR 26-JUN-1998; 98US-0090863.
PR 01-JUL-1998; 98US-0091358.
PR 01-JUL-1998; 98US-0091360.
PR 01-JUL-1998; 98US-0091544.
PR 02-JUL-1998; 98US-0091478.
PR 02-JUL-1998; 98US-0091486.
PR 02-JUL-1998; 98US-0091519.
PR 02-JUL-1998; 98US-0091626.
PR 02-JUL-1998; 98US-0091628.
PR 02-JUL-1998; 98US-0091633.
PR 02-JUL-1998; 98US-0091646.
PR 02-JUL-1998; 98US-0091673.
PR 07-JUL-1998; 98US-0091978.
PR 07-JUL-1998; 98US-0091982.
PR 09-JUL-1998; 98US-0092182.
PR 10-JUL-1998; 98US-0092472.
PR 20-JUL-1998; 98US-0093339.
PR 30-JUL-1998; 98US-0094651.
PR 04-AUG-1998; 98US-0095282.
PR 04-AUG-1998; 98US-0095285.
PR 04-AUG-1998; 98US-0095301.
PR 04-AUG-1998; 98US-0095302.
PR 04-AUG-1998; 98US-0095318.
PR 04-AUG-1998; 98US-0095321.
PR 04-AUG-1998; 98US-0095325.
PR 10-AUG-1998; 98US-0095916.
PR 10-AUG-1998; 98US-0095929.
PR 10-AUG-1998; 98US-0096012.
PR 11-AUG-1998; 98US-0096143.
PR 11-AUG-1998; 98US-0096146.
PR 12-AUG-1998; 98US-0096329.
PR 17-AUG-1998; 98US-0096757.
PR 17-AUG-1998; 98US-0096766.
PR 17-AUG-1998; 98US-0096768.
PR 17-AUG-1998; 98US-0096773.
PR 17-AUG-1998; 98US-0096791.
PR 17-AUG-1998; 98US-0096867.
PR 17-AUG-1998; 98US-0096891.

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PR 17-AUG-1998; 98US-0096894.
PR 17-AUG-1998; 98US-0096895.
PR 17-AUG-1998; 98US-0096897.
PR 18-AUG-1998; 98US-0096949.
PR 18-AUG-1998; 98US-0096950.
PR 18-AUG-1998; 98US-0096959.
PR 18-AUG-1998; 98US-0096960.
PR 18-AUG-1998; 98US-0097022.
PR 19-AUG-1998; 98US-0097141.
PR 20-AUG-1998; 98US-0097218.
PR 24-AUG-1998; 98US-0097661.
PR 26-AUG-1998; 98US-0097951.
PR 26-AUG-1998; 98US-0097952.
PR 26-AUG-1998; 98US-0097954.
PR 26-AUG-1998; 98US-0097955.
PR 26-AUG-1998; 98US-0097971.
PR 26-AUG-1998; 98US-0097974.
PR 26-AUG-1998; 98US-0097978.
PR 26-AUG-1998; 98US-0097979.
PR 26-AUG-1998; 98US-0097986.
PR 26-AUG-1998; 98US-0098014.
PR 31-AUG-1998; 98US-0098525.
PR 16-SEP-1998; 98US-0100634.
PR 12-JAN-1999; 99US-0115565.

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(GETH ) GENENTECH INC.

Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;  
Wood WL, Yuan J;

WPI; 2000-072883/06.

N-PSDB; AAZ65085.

Membrane-bound proteins and related nucleotide sequences

Claim 12; Fig 254; 822pp; English.

The invention provides membrane-bound PRO polypeptides and polynucleotides encoding them. The PRO sequences of the invention were identified based on extracellular domain homology screening. The PRO sequences have homology with proteins including LDL receptors, TIE ligands and various enzymes. The membrane-bound proteins and receptor molecules are useful as pharmaceutical and diagnostic agents. Receptor immunoadhesins, for instance, can be used as therapeutic agents to block receptor-ligand interactions. The membrane-bound proteins can also be employed for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interaction. The PRO encoding sequences are useful as hybridization probes, in chromosome and gene mapping and in the generation of antisense RNA and DNA. PRO nucleic acid sequences will also be useful for the preparation of PRO polypeptides, especially by recombinant techniques.

SQ Sequence 135 AA;

Query Match 100.0%; Score 31; DB 21; Length 135;  
Best Local Similarity 45.5%; Pred. No. 9e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 72

AAU29245

ID AAU29245 standard; Protein; 135 AA.

XX AC AAU29245;

XX 18-DEC-2001 (first entry)

DT 18-DEC-2001 (first entry)

XX Human PRO polypeptide sequence #222.

DE

XX

PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep; dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha; blood; chondrocyte cell; cell proliferation; cell differentiation; colon; adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.

Homo sapiens.

WO200168848-A2.

20-SEP-2001.

28-FEB-2001; 2001WO-US06520.

01-MAR-2000; 2000WO-US05601.

02-MAR-2000; 2000WO-US05841.

03-MAR-2000; 2000US-187202P.

06-MAR-2000; 2000US-186968P.

14-MAR-2000; 2000US-189320P.

14-MAR-2000; 2000US-189328P.

15-MAR-2000; 2000WO-US06884.

21-MAR-2000; 2000US-190828P.

21-MAR-2000; 2000US-191007P.

21-MAR-2000; 2000US-191048P.

21-MAR-2000; 2000US-191314P.

28-MAR-2000; 2000US-192655P.

29-MAR-2000; 2000US-193032P.

29-MAR-2000; 2000US-193053P.

30-MAR-2000; 2000WO-US08439.

04-APR-2000; 2000US-194449P.

04-APR-2000; 2000US-194647P.

11-APR-2000; 2000US-195975P.

11-APR-2000; 2000US-196000P.

11-APR-2000; 2000US-196187P.

11-APR-2000; 2000US-196590P.

11-APR-2000; 2000US-196820P.

18-APR-2000; 2000US-198121P.

18-APR-2000; 2000US-198585P.

25-APR-2000; 2000US-199397P.

25-APR-2000; 2000US-199550P.

25-APR-2000; 2000US-199654P.

03-MAY-2000; 2000US-201516P.

17-MAY-2000; 2000WO-US13705.

22-MAY-2000; 2000WO-US14042.

30-MAY-2000; 2000WO-US14941.

02-JUN-2000; 2000WO-US15264.

05-JUN-2000; 2000US-209832P.

28-JUL-2000; 2000WO-US20710.

mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are preferably human. The polypeptides can be used to stimulate tumour necrosis factor (TNF) alpha release from human blood, when contacted with it. A specific polypeptide can be used to stimulate the proliferation or differentiation of chondrocyte cells. The PRO proteins can be used to determine the presence of tumours and also susceptibility to tumour development, particularly adrenal, lung, colon, breast, prostate, rectal, cervical, or liver tumours, in mammalian subjects. The oligonucleotide probes specific for the PRO nucleic acids can be used for genetic analysis of individuals with genetic disorders.

Sequence 135 AA;

Query Match 100.0%; Score 31; DB 22; Length 135;

Best Local Similarity 45.5%; Pred. No. 9e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

|||||:

Db 28 EEVPPGGGRSK 38

RESULT 73

AAB65262

ID AAB65262 standard; Protein; 135 AA.

XX

AC AAB65262;

XX 02-APR-2001 (first entry)

XX Human PRO1155 (UNQ585) protein sequence SEQ ID NO:359.

XX Human; secreted and transmembrane protein; PRO; cytostatic; cell death; cancer; chromosomal mapping; gene mapping; tissue typing; diagnostic assay.

XX Homo sapiens.

XX WO200073454-A1.

XX 07-DEC-2000.

XX 30-MAR-2000; 2000WO-US08439.

XX 02-JUN-1999; 99WO-US12252.

XX 23-JUN-1999; 99US-0141037.

XX 07-JUL-1999; 99US-0143048.

XX 20-JUL-1999; 99US-0144758.

XX 26-JUL-1999; 99US-0145698.

XX 28-JUL-1999; 99US-0146222.

XX 17-AUG-1999; 99US-0149396.

XX 15-SEP-1999; 99WO-US21090.

XX 15-SEP-1999; 99WO-US21547.

XX 08-OCT-1999; 99US-0158663.

XX 30-NOV-1999; 99WO-US28313.

XX 01-DEC-1999; 99WO-US28301.

XX 16-DEC-1999; 99WO-US30095.

XX 20-DEC-1999; 99WO-US30911.

XX 05-JAN-2000; 2000WO-US00219.

XX 06-JAN-2000; 2000WO-US00376.

XX 11-FEB-2000; 2000WO-US03565.

XX 18-FEB-2000; 2000WO-US04341.

XX 22-FEB-2000; 2000WO-US04414.

XX 24-FEB-2000; 2000WO-US04914.

XX 02-MAR-2000; 2000WO-US05004.

XX 15-MAR-2000; 2000WO-US05841.

XX 20-MAR-2000; 2000WO-US06884.

XX 20-MAR-2000; 2000WO-US07377.

(GETH ) GENENTECH INC.

PA Ashkenazi AU, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;

Novel nucleic acids encoding PRO polypeptides, used to diagnose the presence of tumours, such as prostate and breast tumours, in mammals and to screen for modulators of the compounds -

Claim 11; Fig 444; 774pp; English.

Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.

The PRO polypeptides and their associated nucleic acids can be used to detect the presence of a tumour in a mammal by comparing the level of expression of a PRO polypeptide in a test sample of cells from the animal

and a control sample of normal cells, whereby a higher level of expression in the test sample indicates the presence of a tumour in the

PR	18-SEP-2000;	2000US-06653505	(GETH.) GENENTECH INC.
PR	24-OCT-2000;	2000US-24292228	(BAKE)/ BAKER K P.
PR	08-NOV-2000;	2000US-07092328	(FERR)/ FERRARA N.
PR	10-NOV-2000;	2000OWO-US30952	(GERB)/ GERBER H.
PR	08-NOV-2000;	2000OWO-US30873	(GERR)/ GERRITSEN M E.
PR	01-DEC-2000;	2000OWO-US32678	(GODD)/ GODDARD A.
PR	20-DEC-2000;	2000OWO-US747259	(GODO)/ GODOWSKI P J.
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PR	22-JAN-2001;	2001US-0767609	(HILL)/ HILLMAN K J.
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PR	01-FEB-2001;	2001WO-US06520	(PANJ)/ PAN J.
PR	14-MAR-2001;	2001US-0802708	(PAON)/ PAONI N F.
PR	14-MAR-2001;	2001US-0808689	(STEP)/ STEPHAN J F.
PR	22-MAR-2001;	2001US-0816744	(WATA)/ WATANABE C K.
PR	05-APR-2001;	2001US-0828366	(WILL)/ WILLIAMS P M.
PR	10-MAY-2001;	2001US-0854208	(WOOD)/ WOOD W I.
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PR	25-MAY-2001;	2001US-0866034	
PR	25-MAY-2001;	2001WO-US17092	
PR	30-MAY-2001;	2001US-0870574	
PR	31-JUN-2001;	2001WO-US17443	
PR	30-JUN-2001;	2001WO-US17800	
PR	20-JUN-2001;	2001WO-US19692	
PR	28-JUN-2001;	2001WO-US00000	
XX			
PA	(GETH.) GENENTECH INC.		
PA	(BAKE)/ BAKER K P.		
PA	(FERR)/ FERRARA N.		
PA	(GERB)/ GERBER H.		
PA	(GERR)/ GERRITSEN M E.		
PA	(GODD)/ GODDARD A.		
PA	(GODO)/ GODOWSKI P J.		
PA	(GURN)/ GURNEY A L.		
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PA	(MARS)/ MARSTERS S A.		
PA	(PANJ)/ PAN J.		
PA	(PAON)/ PAONI N F.		
PA	(STEP)/ STEPHAN J F.		
PA	(WATA)/ WATANABE C K.		
PA	(WILL)/ WILLIAMS P M.		
PA	(WOOD)/ WOOD W I.		
XX			
PI	Baker KP, Ferrara N, Gerber		
PI	Godowski PJ, Gurney AL, Hill		
PI	Stephan JF, Watanabe CK, W		
DR			
DR	WPI: 2002-17199/22.		
DR	N-PSDB; ABL55645.		
XX			
PT	One hundred and eighty seven		
PT	useful in diagnosis and treat		
PT	(infection), endothelial or		
XX			
PS	Claim 11; Fig 170; 567pp; En		
XX			
CC	The present invention provid		
CC	PRO proteins. These are usef		
CC	cardiovascular, endothelial		
CC	hypertrophy, trauma, cancer,		
CC	atherosclerosis, hypertension		
CC	angina, myocardial infarctio		
CC	angiogenesis (such as breast		
CC	healing. The present sequenc		
XX			
SQ	Sequence 135 AA;		
	Query Watch 100.0%;		
	Best Local Similarity 45.5%;		
	Matches 5; Conservative		
QY	1 EEVVPVXXXXX 11		

```
Db          28 EEVVPGGGRSK 38
|||||:
RESULT.75
ABB84901
ID   ABB84901 standard; Protein; 135 AA.
XX
AC   ABB84901;
XX
DT   16-MAY-2002 (first entry)
XX
DE   Human PRO1155 protein sequence SEQ ID NO:170.
XX
KW   Human; angiogenesis; cardiant; cytostatic; antiangiogenic; hypotensive;
KW   vulnery; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
KW   gene therapy; cardiovascular disorder; endothelial disorder; cancer;
KW   angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
KW   age-related macular degeneration; arterial restenosis; angina;
KW   rheumatoid arthritis; myocardial infarction; thrombophlebitis;
KW   lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;
KW   wound healing; chromosome mapping; gene mapping.
XX
OS   Homo sapiens.
XX
PN   WO200200690-A2.
XX
PD   03-JAN-2002.
XX
PF   20-JUN-2001; 2001WO-US19692.
XX
PR   23-JUN-2000; 2000US-213637P.
PR   20-JUL-2000; 2000US-219556P.
PR   25-JUL-2000; 2000US-220624P.
PR   28-JUL-2000; 2000WO-US20710.
PR   02-AUG-2000; 2000US-222695P.
PR   17-AUG-2000; 2000US-0643657.
PR   23-AUG-2000; 2000WO-US23522.
PR   24-AUG-2000; 2000WO-US23328.
PR   07-SEP-2000; 2000US-230978P.
PR   18-SEP-2000; 2000US-0664610.
PR   18-SEP-2000; 2000US-0665350.
PR   24-OCT-2000; 2000US-242922P.
PR   08-NOV-2000; 2000US-0709238.
PR   10-NOV-2000; 2000WO-US30873.
PR   01-DEC-2000; 2000WO-US32678.
PR   20-DEC-2000; 2000US-0747259.
PR   20-DEC-2000; 2000WO-US34956.
PR   22-JAN-2001; 2001US-0767609.
PR   28-FEB-2001; 2001US-0796498.
PR   28-FEB-2001; 2001WO-US06520.
PR   01-MAR-2001; 2001WO-US06666.
PR   09-MAR-2001; 2001US-0802706.
PR   14-MAR-2001; 2001US-0808689.
PR   22-MAR-2001; 2001US-0816744.
PR   05-APR-2001; 2001US-0828366.
PR   10-MAY-2001; 2001US-0854208.
PR   10-MAY-2001; 2001US-0854280.
PR   25-MAY-2001; 2001US-0866028.
PR   25-MAY-2001; 2001US-0866034.
PR   25-MAY-2001; 2001WO-US17092.
PR   30-MAY-2001; 2001US-0870574.
PR   30-MAY-2001; 2001WO-US17443.
PR   01-JUN-2001; 2001WO-US17800.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;
PI   Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J,
PI   Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
XX
```

WPI: 2002-090516/12.  
N-PSDB; ABL88156.

One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal -

Claim 11; Fig 170; 565pp; English.

ABL88072 to ABL88258 encode the PRO proteins given in ABB84817 to ABB85003. The PRO proteins and polynucleotides have cardiant, cytostatic, antiangiogenic, hypotensive, vulnerary and antiarteriosclerotic activities, and can be used in gene therapy. The PRO polynucleotides, proteins, agonists and antagonists are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-related macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO polynucleotides have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. ABL88259 to ABL88267 represent primers and probes used in the exemplification of the present invention.

Sequence 135 AA:

Query Match 100.0%; Score 31; DB 23; Length 135;  
Best Local Similarity 45.5%; Pred. No. 9e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38  
|||||:|||||

RESULT 76  
AAU83645  
ID AAU83645 standard; Protein; 135 AA.  
XX  
AC AAU83645;  
XX  
DT 08-MAY-2002 (first entry)  
XX  
DE Human PRO protein, Seq ID No 108.  
XX  
KW Human; secreted protein; PRO; tumour; lung cancer; colon cancer;  
KW breast cancer; prostate tumour; rectal tumour; liver tumour;  
KW pericyte cell proliferation; chondrocyte cell proliferation;  
KW tumour necrosis factor-alpha.  
XX  
OS Homo sapiens.  
XX  
PN WO200208288-A2.  
XX  
PD 31-JAN-2002.  
XX  
PF 29-JUN-2001; 2001WO-US21066.  
XX  
PR 20-JUL-2000; 2000US-219556P.  
PR 25-JUL-2000; 2000US-220585P.  
PR 25-JUL-2000; 2000US-220605P.  
PR 25-JUL-2000; 2000US-220607P.  
PR 25-JUL-2000; 2000US-220624P.  
PR 25-JUL-2000; 2000US-220638P.  
PR 25-JUL-2000; 2000US-220664P.  
PR 25-JUL-2000; 2000US-220666P.  
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PR 23-AUG-2000; 2000WO-US23522.  
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PR 15-SEP-2000; 2000US-000000P.  
PR 10-NOV-2000; 2000WO-US30873.  
PR 28-NOV-2000; 2000US-253646P.

PR 01-DEC-2000; 2000WO-US32678.  
 PR 20-DEC-2000; 2000US-0747259.  
 PR 20-DEC-2000; 2000WO-US34956.  
 PR 28-FEB-2001; 2001WO-US06520.  
 PR 10-MAY-2001; 2001US-0854280.  
 PR 25-MAY-2001; 2001WO-US17092.  
 PA (GETH ) GENENTECH INC.  
 XX  
 XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;  
 PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;  
 XX WPI; 2002-172001/22.  
 DR N-PSDB; ABK33589.  
 XX  
 XX One hundred and twenty two nucleic acids encoding PRO polypeptides,  
 PT useful for treating a PRO related disorder and for diagnosing tumours  
 PT such as lung cancer, colon cancer, breast tumour, prostate tumour, rectal  
 PT tumour or liver tumour  
 XX  
 PS Claim 11; Figure 108; 359pp; English.  
 XX  
 CC The invention relates to one hundred and twenty two nucleic acids  
 CC encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides  
 CC encode human secreted proteins. The PRO nucleic acids, polypeptides,  
 CC agonists and antagonists are useful for treating a PRO related disorder.  
 CC The PRO polypeptides are useful for diagnosing tumours, especially lung  
 CC cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or  
 CC liver tumour. The PRO polypeptides are useful for stimulating the  
 CC proliferation of, or gene expression, in pericyte cells, for stimulating  
 CC the proliferation or differentiation of chondrocyte cells, for  
 CC stimulating the release of tumour necrosis factor-alpha from human blood,  
 CC for stimulating or inhibiting the proliferation of normal human dermal  
 CC fibroblast cells. The PRO polypeptide may also be used as molecular  
 CC weight markers and for tissue typing. The PRO nucleic acids have  
 CC applications in molecular biology, including use as hybridisation probes,  
 CC and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO  
 CC protein sequences of the invention.  
 XX  
 SQ Sequence 135 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEEVPPXXXXX 11  
 Db 28 EEEVPPGGGRSK 38  
 RESULT 77  
 ABBI1878  
 ID ABBI1878 standard; peptide; 137 AA.  
 XX  
 AC ABBI1878;  
 XX  
 XX 11-JAN-2002 (first entry)  
 DT  
 XX  
 DE Human neurokinin B-like protein homologue, SEQ ID NO:2248.  
 KW Human; cytokine; cell proliferation; cell differentiation; growth factor;  
 KW haematopoiesis regulation; tissue growth; immunomodulator; activin;  
 KW inhibin; chemotaxis; chemokinesis; thrombolysis; oncogenesis;  
 KW proliferation; metastasis; cancer; tumour; haematopoietic disorder;  
 KW myeloid cell disorder; lymphoid cell disorder; asthma; arthritis;  
 KW chronic inflammatory condition; proliferative retinopathy;  
 KW atherosclerosis; coronary heart disease; arterial ischaemia;  
 KW bone disorder; osteoporosis; vascular growth disorder;  
 KW tissue regeneration; wound healing; infection; immune disorder;  
 KW cell culture; drug screening; gene therapy; antiinflammatory;  
 KW antiasthmatic; antiarthritic; haemostatic; antiarteriosclerotic;  
 KW cytostatic; osteopathic; vasotropic; cardiant; virucide; antibacterial;  
 KW antifungal; vulnery; antiulcer.

XX OS Homo sapiens.  
 XX FN WO200157188-A2.  
 XX PD 09-AUG-2001.  
 XX PF 05-FEB-2001; 2001WO-US03800.  
 XX PR 03-FEB-2000; 2000US-0496914.  
 PR 27-APR-2000; 2000US-0560875.  
 XX PA (HYSE-) HYSEQ INC.  
 XX PI Tang YT, Liu C, Drmanac RT;  
 DR WPI; 2001-457740/49.  
 DR N-PSDB; ABA09122.  
 XX  
 XX Human proteins and DNA encoding sequences useful for preventing,  
 PT treating or ameliorating a medical condition in a mammalian subject  
 PT e.g. arthritis and cancer -  
 XX  
 PS Claim 20; Page 270; 1963pp; English.  
 XX  
 CC Sequences ABB10981-ABB12330 represent 1350 novel human polypeptides, and  
 CC sequences ABA08225-ABA09574 represent nucleic acids encoding them. The  
 CC invention also relates to vectors and recombinant host cells comprising a  
 CC nucleotide of the invention, methods of producing the novel polypeptides,  
 CC antibodies against the polypeptides, methods of detecting the nucleotides  
 CC or polypeptides in a sample, and methods of identifying compounds which  
 CC bind to polypeptides of the invention. Although novel, many of the  
 CC polypeptides of the invention have homology to known proteins, thereby  
 CC giving an insight into their probable biological activities, and hence  
 CC potential therapeutic applications. The polypeptides of the invention may  
 CC have various activities, including cytokine, cell proliferation or cell  
 CC differentiation activities; stem cell growth factor activity;  
 CC haematopoiesis regulatory activity; tissue growth activity;  
 CC immunomodulatory activity; activin- or inhibin-related activities;  
 CC chemotactic or chemokinetic activities; haemostatic, thrombotic or  
 CC thrombolytic activities; receptor or ligand activities; or may be  
 CC involved in oncogenesis, cancer cell proliferation or metastasis.  
 CC Depending on their biological activities, polypeptides and nucleotides of  
 CC the invention are useful for preventing, treating or ameliorating medical  
 CC conditions, e.g., by protein or gene therapy. Such conditions include  
 CC cancers, haematopoietic disorders (e.g., myeloid or lymphoid cell  
 CC disorders), chronic inflammatory conditions (e.g., asthma or arthritis),  
 CC proliferative retinopathy, atherosclerosis, coronary heart disease,  
 CC arterial ischaemia, bone disorders (e.g., osteoporosis), and abnormal  
 CC vascular growth. Polypeptides involved with tissue regeneration and  
 CC repair (or nucleic acids encoding them) may be used to promote wound  
 CC healing (e.g., of burns, incisions and ulcers), while those with  
 CC immunomodulatory activities may be used in the treatment of viral,  
 CC bacterial and fungal infections in addition to immune disorders.  
 CC Polypeptides with growth factor activity may be used in cell cultures to  
 CC promote cell growth. For example, such polypeptides may be used to  
 CC manipulate stem cells in culture to give rise to neuroepithelial cells  
 CC that can be used to augment or replace cells damaged by illness,  
 CC autoimmune disease or accidental damage. The polypeptides and nucleotides  
 CC may also be used in the diagnosis of the above conditions, and in drug  
 CC screening techniques. The present sequence represents a novel human  
 CC polypeptide of the invention.  
 XX  
 SQ Sequence 137 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 137;  
 Best Local Similarity 45.5%; Pred. No. 9.1e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEEVPPXXXXX 11  
 Db 44 EEEVPPGGGRSK 54



## RESULT 78

ABP02413  
ID ABP02413 standard; Protein; 137 AA.XX AC ABP02413;  
XX DT 24-JUN-2002 (first entry)

XX DE Human ORFX protein sequence SEQ ID NO:4808.

XX KW Human: open reading frame; ORFX; gene therapy; cancer; cirrhosis;  
KW hyperproliferative disorder; psoriasis; benign tumour; haemorrhage;  
KW degenerative disorder; osteoarthritis; neurodegenerative disorder;  
KW cardiovascular disease; diabetes mellitus; systemic lupus erythematosus;  
KW hypertension; hypothyroidism; cholesterol ester storage disease;  
KW immune deficiency; immune disorder; infectious disease;  
KW autoimmune disorder; rheumatoid arthritis; autoimmune thyroiditis;  
KW myasthenia gravis.

XX OS Homo sapiens.

XX PN WO200192523-A2.

XX PD 06-DEC-2001.

XX PF 29-MAY-2001; 2001WO-US10836.

XX PR 30-MAY-2001; 2000US-206132P.

XX PR 29-AUG-2000; 2000US-228716P.

XX PA (CURA-) CURAGEN CORP.

XX PI Shimkets RA, Leach MD;

XX DR WPI; 2002-106308/14.

XX DR N-PSDB; ABN18165.

XX PT Novel human polypeptides and polynucleotides useful for diagnosing,  
PT preventing and treating cardiovascular disease, neurodegenerative,  
PT hyperproliferative disorders and autoimmune disorders

XX PS Disclosure; SEQ ID 4808; 1037pp; English.

XX CC The present invention describes substantially purified human proteins  
XX (referred to as open reading frame, ORFX, where X is 1-11491 (see Table 1  
XX in the specification). ABN15762 to ABN27252 encode the human ORFX  
XX proteins given in ABP00010 to ABP11500. ORFX proteins are useful for  
XX treating or preventing a pathology associated with an ORFX-associated  
XX disorder in humans, and in the manufacture of a medicament for treating a  
XX syndrome associated with ORFX-associated disorder. ORFX polynucleotide  
XX sequences can be used in gene therapy. ORFX sequences can be used in the  
XX treatment of cancer, hyperproliferative disorders, cirrhosis of liver,  
XX psoriasis, benign tumours, keloid, degenerative disorders, haemorrhage,  
XX osteoarthritis, neurodegenerative disorders, disorders related to organ  
XX transplantation, cardiovascular diseases, diabetes mellitus, systemic  
XX lupus erythematosus, hypertension, hypothyroidism, cholesterol ester  
XX storage disease, various immune deficiencies and disorders, infectious  
XX diseases, autoimmune disorders such as multiple sclerosis, rheumatoid  
XX arthritis, autoimmune thyroiditis, myasthenia gravis, graft-versus-host  
XX disease and autoimmune inflammatory eye disease. ORFX proteins are also  
XX useful for treating burns, incisions, ulcers, for treating osteoporosis,  
XX bone degenerative disorders, or periodontal disease, and for gut  
XX protection or regeneration and treatment of lung or liver fibrosis,  
XX reperfusion injury in various tissues and conditions resulting from  
XX systemic cytokine damage.

XX N.B. The sequence data for this patent did not form part of the printed  
XX specification, but was obtained in electronic format directly from WIPO  
XX at ftp.wipo.int/pub/published\_pct\_sequences.

SQ Sequence 137 AA;

Query Match 100.0%; Score 31; DB 23; Length 137;

Best Local Similarity 45.5%; Pred. No. 9.1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 121 EEVVPIMELCA 131

## RESULT 79

ABB27744  
ID ABB27744 standard; Peptide; 178 AA.

XX AC ABB27744;

XX DT 01-FEB-2002 (first entry)

XX DE Human peptide #395 encoded by breast cell single exon nucleic acid probe.  
XX KW Human; microarray; single exon probe; gene expression; breast;  
KW disease; cancer.

XX OS Homo sapiens.

XX PN WO200157271-A2.

XX PD 09-AUG-2001.

XX PF 30-JAN-2001; 2001WO-US00662.

XX PR 04-FEB-2000; 2000US-0180312.

XX PR 26-MAY-2000; 2000US-0207456.

XX PR 30-JUN-2000; 2000US-0608408.

XX PR 03-AUG-2000; 2000US-0632366.

XX PR 21-SEP-2000; 2000US-0234687.

XX PR 27-SEP-2000; 2000US-0236359.

XX PR 04-OCT-2000; 2000GB-0024263.

XX PA (MOLE-) MOLECULAR DYNAMICS INC.

XX PI Penn SG, Hanzel DK, Chen W, Rank DR;

XX DR WPI; 2001-496933/54.

XX PT New spatially-addressable set of single exon nucleic acid probes,  
PT useful for measuring gene expression in sample derived from human  
PT breast, comprises number of single exon nucleic acid probes

XX PS Claim 27; SEQ ID NO 10712; 327pp + sequence listing; English.

XX CC The invention relates to a spatially-addressable set of single exon  
XX nucleic acid probes for measuring gene expression in a sample derived  
XX from human breast and BT 474 cells. The method involves contacting  
XX the probes with a collection of detectably labelled nucleic acids  
XX derived from mRNA of human breast, and then measuring the label  
XX bound to each probe of the microarray. The probes are useful for  
XX verifying the expression of regions of genomic DNA predicted to  
XX encode proteins. They are useful for gene discovery, and for  
XX determining predisposition and/or prognosing breast disease. Gene  
XX expression analysis is useful for assessing the toxicity of chemical  
XX agents on cells. The microarray of this invention presents a far greater  
XX diversity of probes for measuring gene expression, with far less bias  
XX than expressed sequence tag microarrays. The method is suitable for  
XX rapid production of functional information from genomic sequence. The  
XX present sequence is a peptide encoded by a single exon nucleic acid  
XX probe of the invention.

XX Note: The sequence data for this patent did not form part of the  
XX printed specification, but was obtained in electronic format directly  
XX from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.

SQ Sequence 178 AA;

Query Match 100.0%; Score 31; DB 22; Length 178;  
Best Local Similarity 45.5%; Pred. No. 1.2e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||  
Db 90 EEVVPDPCLP 100

## RESULT 80

ABB27746  
ID ABB27746 standard; Peptide; 178 AA.

XX AC ABB27746;

XX DT 01-FEB-2002 (first entry)

DE Human peptide #397 encoded by breast cell single exon nucleic acid probe.

XX KW Human; microarray: single exon probe; gene expression; breast;  
XX KW disease; cancer.

XX OS Homo sapiens.

XX PN WO200157271-A2.

XX PD 09-AUG-2001.

XX PF 30-JAN-2001; 2001WO-US00662.

XX PR 04-FEB-2000; 2000US-0180312.

XX PR 26-MAY-2000; 2000US-0207456.

XX PR 30-JUN-2000; 2000US-0608408.

XX PR 03-AUG-2000; 2000US-0632366.

XX PR 21-SEP-2000; 2000US-0234687.

XX PR 27-SEP-2000; 2000US-0236359.

XX PR 04-OCT-2000; 2000GB-0024263.

XX PA (MOLE-) MOLECULAR DYNAMICS INC.

XX PI Penn SG, Hanzel DK, Chen W, Rank DR;

XX DR WPI; 2001-496933/54.

XX PT New spatially-addressable set of single exon nucleic acid probes,  
XX PT useful for measuring gene expression in sample derived from human  
XX PT breast, comprises number of single exon nucleic acid probes

XX PS Claim 27; SEQ ID NO 10714; 327pp + sequence listing; English.

XX CC The invention relates to a spatially-addressable set of single exon  
XX CC nucleic acid probes for measuring gene expression in a sample derived  
XX CC from human breast and Br 474 cells. The method involves contacting  
XX CC the probes with a collection of detectably labelled nucleic acids  
XX CC derived from mRNA of human breast, and then measuring the label  
XX CC bound to each probe of the microarray. The probes are useful for  
XX CC verifying the expression of regions of genomic DNA predicted to  
XX CC encode proteins. They are useful for gene discovery, and for  
XX CC determining predisposition and/or prognosing breast disease. Gene  
XX CC expression analysis is useful for assessing the toxicity of chemical  
XX CC agents on cells. The microarray of this invention presents a far greater  
XX CC diversity of probes for measuring gene expression, with far less bias  
XX CC than expressed sequence tag microarrays. The method is suitable for  
XX CC rapid production of functional information from genomic sequence. The  
XX CC present sequence is a peptide encoded by a single exon nucleic acid  
XX CC probe of the invention.

XX CC Note: The sequence data for this patent did not form part of the  
XX CC printed specification, but was obtained in electronic format directly  
XX CC from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.

XX SQ Sequence 178 AA;

Query Match 100.0%; Score 31; DB 22; Length 178;  
Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||  
Db 90 EEVVPDPCLP 100

## RESULT 81

ABB32915  
ID ABB32915 standard; Peptide; 178 AA.

XX AC ABB32915;

XX DT 04-FEB-2002 (first entry)

DE Peptide #421 encoded by human foetal liver single exon probe.

XX KW Human; foetal liver; gene expression; single exon nucleic acid probe.

XX OS Homo sapiens.

XX PN WO200157277-A2.

XX PD 09-AUG-2001.

XX PF 30-JAN-2001; 2001WO-US00669.

XX PR 04-FEB-2000; 2000US-0180312.

XX PR 26-MAY-2000; 2000US-0207456.

XX PR 30-JUN-2000; 2000US-0608408.

XX PR 03-AUG-2000; 2000US-0632366.

XX PR 21-SEP-2000; 2000US-0234687.

XX PR 27-SEP-2000; 2000US-0236359.

XX PR 04-OCT-2000; 2000GB-0024263.

XX PA (MOLE-) MOLECULAR DYNAMICS INC.

XX PI Penn SG, Hanzel DK, Chen W, Rank DR;

XX DR WPI; 2001-483447/52.

XX PT Human genome-derived single exon nucleic acid probes useful for  
XX PT analyzing gene expression in human fetal liver -

XX PS Claim 27; SEQ ID NO 25550; 639pp + sequence listing; English.

XX CC The invention relates to a single exon nucleic acid probe for  
XX CC measuring human gene expression in a sample derived from human foetal  
XX CC liver. The single exon nucleic acid probes may be used for predicting,  
XX CC measuring and displaying gene expression in samples derived from human  
XX CC foetal liver. The present sequence is a peptide encoded by a single exon  
XX CC nucleic acid probe of the invention.  
XX CC Note: The sequence data for this patent did not form part of the  
XX CC printed specification, but was obtained in electronic format directly  
XX CC from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.

XX SQ Sequence 178 AA;

Query Match 100.0%; Score 31; DB 22; Length 178;  
Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||  
Db 90 EEVVPDPCLP 100

## RESULT 82

ABB32917  
ID ABB32917 standard; Peptide; 178 AA.

XX AC ABB32917;

XX DT 04-FEB-2002 (first entry)

XX DE Peptide #423 encoded by human foetal liver single exon probe.  
 XX KW Human; foetal liver; gene expression; single exon nucleic acid probe.  
 XX OS Homo sapiens.  
 XX PN WO200157277-A2.  
 XX PD 09-AUG-2001.  
 XX PF 30-JAN-2001; 2001WO-US006569.  
 XX PR 04-FEB-2000; 2000US-0180312.  
 XX PR 26-MAY-2000; 2000US-0207456.  
 XX PR 30-JUN-2000; 2000US-0608408.  
 XX PR 03-AUG-2000; 2000US-0632366.  
 XX PR 21-SEP-2000; 2000US-0234687.  
 XX PR 27-SEP-2000; 2000US-0236359.  
 XX PR 04-OCT-2000; 2000GB-0024263.  
 XX PA (MOLE-) MOLECULAR DYNAMICS INC.  
 XX PI Penn SG, Hanzel DK, Chen W, Rank DR;  
 XX DR WPI; 2001-483447/52.  
 XX PT Human genome-derived single exon nucleic acid probes useful for  
 XX PT analyzing gene expression in human fetal liver -  
 XX PS Claim 27; SEQ ID NO 25552; 639pp + sequence listing; English.  
 XX CC The invention relates to a single exon nucleic acid probe for  
 CC measuring human gene expression in a sample derived from human foetal  
 CC liver. The single exon nucleic acid probes may be used for predicting,  
 CC measuring and displaying gene expression in samples derived from human  
 CC fetal liver. The present sequence is a peptide encoded by a single exon  
 CC nucleic acid probe of the invention.  
 CC Note: The sequence data for this patent did not form part of the  
 CC printed specification, but was obtained in electronic format directly  
 CC from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX SQ Sequence 178 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 178;  
 Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 90 EEVVPDSPCLP 100  
 RESULT 83  
 ABB18396  
 ID ABB18396 standard; Protein; 178 AA.  
 XX AC ABB18396;  
 XX DT 23-JAN-2002 (first entry)  
 XX DE Protein #395 encoded by probe for measuring heart cell gene expression.  
 XX KW Human; gene expression; heart; microarray; vascular system;  
 KW cardiovascular disease; hypertension; cardiac arrhythmia;  
 KW congenital heart disease.  
 XX OS Homo sapiens.  
 XX PN WO200157274-A2.  
 XX PD 09-AUG-2001.  
 XX

PF 30-JAN-2001; 2001WO-US00666.  
 XX 04-FEB-2000; 2000US-0180312.  
 PR 26-MAY-2000; 2000US-0207456.  
 PR 30-JUN-2000; 2000US-0608408.  
 PR 03-AUG-2000; 2000US-0632366.  
 PR 21-SEP-2000; 2000US-0234687.  
 PR 27-SEP-2000; 2000US-0236359.  
 PR 04-OCT-2000; 2000GB-0024263.  
 XX PA (MOLE-) MOLECULAR DYNAMICS INC.  
 XX PI Penn SG, Hanzel DK, Chen W, Rank DR;  
 XX DR WPI; 2001-488899/53.  
 XX PT Single exon nucleic acid probes for analyzing gene expression in human  
 PT hearts -  
 XX PS Claim 15; SEQ ID NO 20166; 530pp; English.  
 XX CC The present invention relates to single exon nucleic acid probes for  
 CC measuring human gene expression in a sample derived from human heart (see  
 CC ABA21535-ABA41305). The present sequence is a protein encoded by one such  
 CC probe. The probes may be used for predicting, measuring and displaying  
 CC gene expression in samples derived from the human heart via microarrays.  
 CC By measuring gene expression, the probes are useful for predicting,  
 CC diagnosing, grading, staging, monitoring and prognosing diseases of the  
 CC human heart and vascular system e.g. cardiovascular disease,  
 CC hypertension, cardiac arrhythmias and congenital heart disease.  
 CC Note: The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX SQ Sequence 178 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 178;  
 Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 90 EEVVPDSPCLP 100  
 RESULT 84  
 AAM53718  
 ID AAM53718 standard; Protein; 178 AA.  
 XX AC AAM53718;  
 XX DT 05-NOV-2001 (first entry)  
 XX DE Human brain expressed single exon probe encoded protein SEQ ID NO: 25823.  
 XX KW Human; brain expressed exon; gene expression analysis; probe;  
 KW microarray; Alzheimer's disease; multiple sclerosis; schizophrenia;  
 KW epilepsy; cancer.  
 XX OS Homo sapiens.  
 XX PN WO200157275-A2.  
 XX PD 09-AUG-2001.  
 XX 30-JAN-2001; 2001WO-US00667.  
 XX 04-FEB-2000; 2000US-0180312.  
 PR 26-MAY-2000; 2000US-0207456.  
 PR 30-JUN-2000; 2000US-0608408.  
 PR 03-AUG-2000; 2000US-0632366.  
 PR 21-SEP-2000; 2000US-0234687.  
 PR 27-SEP-2000; 2000US-0236359.

PR 04-OCT-2000; 2000GB-0024263.  
PA (MOLE-) MOLECULAR DYNAMICS INC.  
PI Penn SG, Hanzel DK, Chen W, Rank DR;  
XX WPI; 2001-483446/52.  
XX  
XX Single exon nucleic acid probes for analyzing gene expression in human  
PT brains -  
XX  
XX Example 4; SEQ ID NO: 25823; 650pp + Sequence Listing; English.  
XX  
XX The present invention provides a number of single exon nucleic acid  
CC probes which are derived from genomic sequences expressed in the human  
CC brain. They can be used to measure gene expression in brain cell samples,  
CC which may enable the diagnosis and improved treatment of nervous system  
CC diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,  
CC epilepsy and cancers. The present sequence is a protein encoded by one of  
CC the probes of the invention.  
XX  
XX Sequence 178 AA;  
SQ  
Query Match 100.0%; Score 31; DB 22; Length 178;  
Best Local Similarity 45.5%; Pred. NO. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
XX  
XX 1 EEVWPXXXXX 11  
DB 90 EEVWPDSPCLP 100  
IIIIIIIIII  
RESULT 85  
AAM66101  
ID AAM66101 standard; Protein; 178 AA.  
AC AAM66101;  
XX  
XX 06-NOV-2001 (first entry)  
XX Human bone marrow expressed probe encoded protein SEQ ID NO: 26407.  
XX  
XX Human; bone marrow expressed exon; gene expression analysis; probe;  
KW microarray; cancer; leukaemia; lymphoma; myeloma.  
KW  
XX Homo sapiens.  
OS  
XX WO200157276-A2.  
PN  
XX 09-AUG-2001.  
PD  
XX  
XX 30-JAN-2001; 2001WO-US00668.  
PF  
XX  
XX 04-FEB-2000; 2000US-0180312.  
PR  
XX 26-MAY-2000; 2000US-0207456.  
PR  
XX 30-JUN-2000; 2000US-0608408.  
PR  
XX 03-AUG-2000; 2000US-0632366.  
PR  
XX 21-SEP-2000; 2000US-0234687.  
PR  
XX 27-SEP-2000; 2000US-0236359.  
PR  
XX 04-OCT-2000; 2000GB-0024263.  
XX  
XX (MOLE-) MOLECULAR DYNAMICS INC.  
PA  
XX Penn SG, Hanzel DK, Chen W, Rank DR;  
XX  
XX WPI; 2001-488900/53.  
XX  
XX Human genome-derived single exon nucleic acid probes useful for  
PT analyzing gene expression in human bone marrow -  
XX  
XX Example 4; SEQ ID NO: 26407; 658pp + Sequence Listing; English.  
XX  
XX The present invention provides a number of single exon nucleic acid

CC probes which are derived from genomic sequences expressed in the human  
CC bone marrow. They can be used to measure gene expression in bone marrow  
CC samples, which may enable the improved diagnosis and treatment of cancers  
CC such as lymphoma, leukaemia and myeloma. The present sequence is a  
CC protein encoded by one of the probes of the invention.  
XX  
XX Sequence 178 AA;  
SQ

Query Match 100.0%; Score 31; DB 22; Length 178;  
Best Local Similarity 45.5%; Pred. NO. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVWPXXXXX 11  
DB 90 EEVWPDSPCLP 100  
IIIIIIIIII

RESULT 86  
AAM13970  
ID AAM13970 standard; Protein; 178 AA.  
AC AAM13970;  
XX

XX 12-OCT-2001 (first entry)  
DT  
XX

XX Peptide #404 encoded by probe for measuring cervical gene expression.  
DE

XX Probe: human; microarray; gene expression; cervical epithelial cell;  
KW cervical cancer.  
KW

XX Homo sapiens.  
OS

XX WO200157278-A2.  
PN

XX 09-AUG-2001.  
PD

XX 30-JAN-2001; 2001WO-US00670.  
PF

XX 04-FEB-2000; 2000US-0180312.  
XX

XX 26-MAY-2000; 2000US-0207456.  
PR

XX 30-JUN-2000; 2000US-0608408.  
PR

XX 03-AUG-2000; 2000US-0632366.  
PR

XX 21-SEP-2000; 2000US-0234687.  
PR

XX 27-SEP-2000; 2000US-0236359.  
PR

XX 04-OCT-2000; 2000GB-0024263.  
PR

XX (MOLE-) MOLECULAR DYNAMICS INC.  
PA

XX Penn SG, Hanzel DK, Chen W, Rank DR;  
XX

XX WPI; 2001-488901/53.  
XX

XX Human genome-derived single exon nucleic acid probes useful for  
PT analyzing gene expression in human cervical epithelial cells -  
XX

XX Claim 27; SEQ ID No 18796; 487pp; English.  
PS

XX The present invention relates to human single exon nucleic acid probes  
CC (SENPs: see AAI10068-AAI28459). The present sequence is a peptide encoded  
CC by one such probe. The SENPs are derived from human HeLa cells. The SENPs  
CC can be used to produce a single exon microarray, which can be used for  
CC measuring human gene expression in a sample derived from human cervical  
CC epithelial cells. By measuring gene expression, the probes are therefore  
CC useful in grading and/or staging of diseases of the cervix, notably  
CC cervical cancer.

XX Note: The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.

XX Sequence 178 AA;  
SQ

Query Match 100.0%; Score 31; DB 22; Length 178;  
Best Local Similarity 45.5%; Pred. NO. 1.2e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|||||  
 Db 90 EEVVPDSPCLP 100

RESULT 87  
 AAM13972  
 ID AAM13972 standard; Protein; 178 AA.  
 XX  
 AC AAM13972;  
 XX  
 DT 12-OCT-2001 (first entry)  
 XX  
 DE Peptide #406 encoded by probe for measuring cervical gene expression.  
 KW Probe; human; microarray; gene expression; cervical epithelial cell;  
 KW cervical cancer.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200157278-A2.  
 XX  
 PD 09-AUG-2001.  
 XX  
 PF 30-JAN-2001; 2001WO-US00670.  
 XX  
 PR 04-FEB-2000; 2000US-0180312.  
 PR 26-MAY-2000; 2000US-0207456.  
 PR 30-JUN-2000; 2000US-0608408.  
 PR 03-AUG-2000; 2000US-0632366.  
 PR 21-SEP-2000; 2000US-0234687.  
 PR 27-SEP-2000; 2000US-0236359.  
 PR 04-OCT-2000; 2000GB-0024263.  
 XX  
 PA (MOLE-) MOLECULAR DYNAMICS INC.  
 XX  
 PI Penn SG, Hanzel DK, Chen W, Rank DR;  
 XX  
 XX WPI; 2001-488901/53.  
 DR  
 PT Human genome-derived single exon nucleic acid probes useful for  
 XX analyzing gene expression in human cervical epithelial cells -  
 PS Claim 27; SEQ ID No 18798; 487pp; English.  
 XX  
 CC The present invention relates to human single exon nucleic acid probes  
 CC (SENPs: see AAI10068-AAI28459). The present sequence is a peptide encoded  
 CC by one such probe. The SENPs are derived from human Hela cells. The SENPs  
 CC can be used to produce a single exon microarray, which can be used for  
 CC measuring human gene expression in a sample derived from human cervical  
 CC epithelial cells. By measuring gene expression, the probes are therefore  
 CC useful in grading and/or staging of diseases of the cervix, notably  
 CC cervical cancer.  
 CC Note: The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 178 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 178;  
 Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|||||  
 Db 90 EEVVPDSPCLP 100

RESULT 88  
 AAM26376  
 ID AAM26376 standard; Protein; 178 AA.

XX AAM26376;  
 AC  
 XX 17-OCT-2001 (first entry)  
 DT  
 XX Peptide #413 encoded by probe for measuring placental gene expression.  
 DE  
 XX Probe; microarray; human; placenta; antenatal diagnosis;  
 KW genetic disorder.  
 KW  
 OS Homo sapiens.  
 XX  
 PN WO200157272-A2.  
 XX  
 PD 09-AUG-2001.  
 XX  
 PF 30-JAN-2001; 2001WO-US00663.  
 XX  
 PR 04-FEB-2000; 2000US-0180312.  
 PR 26-MAY-2000; 2000US-0207456.  
 PR 30-JUN-2000; 2000US-0608408.  
 PR 03-AUG-2000; 2000US-0632366.  
 PR 21-SEP-2000; 2000US-0234687.  
 PR 27-SEP-2000; 2000US-0236359.  
 PR 04-OCT-2000; 2000GB-0024263.  
 XX  
 PA (MOLE-) MOLECULAR DYNAMICS INC.  
 XX  
 PI Penn SG, Hanzel DK, Chen W, Rank DR;  
 XX  
 XX WPI; 2001-488897/53.  
 DR  
 PT Human genome-derived single exon nucleic acid probes useful for  
 XX analyzing gene expression in human placenta -  
 PS Claim 27; SEQ ID No 26645; 654pp; English.  
 XX  
 CC The present invention relates to single exon nucleic acid probes (SENPs:  
 CC see AAI31315-AAI57546). The present sequence is a peptide encoded by one  
 CC such probe. The probes are useful for producing a microarray for  
 CC predicting, measuring and displaying gene expression in samples derived  
 CC from human placenta. The probes are useful for antenatal diagnosis of  
 CC human genetic disorders.  
 XX  
 SQ Sequence 178 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 178;  
 Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|||||  
 Db 90 EEVVPDSPCLP 100

RESULT 89  
 AAM26378  
 ID AAM26378 standard; Protein; 178 AA.  
 XX  
 AC AAM26378;  
 XX  
 DT 17-OCT-2001 (first entry)  
 XX  
 DE Peptide #415 encoded by probe for measuring placental gene expression.  
 DE  
 XX Probe; microarray; human; placenta; antenatal diagnosis;  
 KW genetic disorder.  
 KW  
 OS Homo sapiens.  
 XX  
 PN WO200157272-A2.  
 XX  
 PD 09-AUG-2001.



XX Human peptide encoded by genome-derived single exon probe SEQ ID 25416.  
DE Human; single exon probe; asthma; lung cancer; COPD; ILD;  
KW chronic obstructive pulmonary disease; interstitial lung disease;  
KW familial idiopathic pulmonary fibrosis; neurofibromatosis;  
KW tuberous sclerosis; Gaucher's disease; Niemann-Pick disease;  
KW Hermansky-Pudlak syndrome; sarcoidosis; pulmonary haemosiderosis;  
KW pulmonary histiocytosis; lymphangioleiomyomatosis; Karagener syndrome;  
KW pulmonary alveolar proteinosis; fibrocystic pulmonary dysplasia;  
KW primary ciliary dyskinesia; pulmonary hypertension;  
KW hyaline membrane disease.  
XX Homo sapiens.  
XX WO200186003-A2.  
XX 15-NOV-2001.  
XX 30-JAN-2001; 2001WO-US00665.  
XX 04-FEB-2000; 2000US-180312P.  
XX 26-MAY-2000; 2000US-207456P.  
XX 30-JUN-2000; 2000US-6608408.  
XX 03-AUG-2000; 2000US-0632366.  
XX 21-SEP-2000; 2000US-234687P.  
XX 27-SEP-2000; 2000US-236359P.  
XX 04-OCT-2000; 2000GB-0024263.  
XX (MOLE-) MOLECULAR DYNAMICS INC.  
XX Penn SG, Hanzel DK, Chen W, Rank DR;  
PI WPI; 2002-114183/15.  
XX Spatially-addressable set of single exon nucleic acid probes, used to  
PT measure gene expression in human lung samples -  
XX Claim 27; SEQ ID No 25416; 634pp; English.  
XX The invention relates to a spatially-addressable set of single exon  
CC nucleic acid probes for measuring gene expression in a sample derived  
CC from human lung comprising single-exon nucleic acid probes having one of  
CC 12614 nucleic acid sequences mentioned in the specification, or their  
CC complements or the 12387 open reading frames derived from the 12614  
CC probes. Also included are a microarray comprising the novel set of  
CC probes; the novel set of probes which hybridise at high stringency to a  
CC nucleic acid expressed in the human lung; measuring gene expression in a  
CC sample derived from human lung, comprising (a) contacting the array with  
CC a collection of detectably labeled nucleic acids derived from human lung  
CC mRNA, and (b) measuring the label detectably bound to each probe of  
CC the array; identifying exons in a eukaryotic genome, comprising  
CC (a) algorithmically predicting at least one exon from genomic sequences  
CC of the eukaryote; and (b) detecting specific hybridisation of detectably  
CC labeled nucleic acids from eukaryote lung mRNA, to a single exon probe,  
CC having a fragment identical to the predicted exon, the probe is included  
CC in the above mentioned microarray; assigning exons to a single gene,  
CC comprising (a) identifying exons from genomic sequence by the method  
CC above and (b) measuring the expression of each of the exons in several  
CC tissues and/or cell types using hybridisation to a single exon  
CC microarrays having a probe with the exon, where a common pattern of  
CC expression of the exons in the tissues and/or cell types indicates that  
CC the exons should be assigned to a single gene; a peptide comprising one  
CC of 12011 sequences, mentioned in the specification, or encoded by the  
CC probes/open reading frames (ORF). The probes are used for gene  
CC expression analysis, and for identifying exons in a gene, particularly  
CC using human lung derived mRNA and for the study of lung diseases  
CC such as asthma, lung cancer, chronic obstructive pulmonary disease  
CC (COPD), interstitial lung disease (ILD), familial idiopathic pulmonary  
CC fibrosis, neurofibromatosis, tuberous sclerosis, Gaucher's disease,  
CC Niemann-Pick disease, Hermansky-Pudlak syndrome, sarcoidosis, pulmonary  
CC haemosiderosis, pulmonary histiocytosis, lymphangioleiomyomatosis,  
CC pulmonary alveolar proteinosis, Karagener syndrome, fibrocystic

CC pulmonary dysplasia, primary ciliary dyskinesia, pulmonary hypertension  
CC and hyaline membrane disease. The present sequence is a peptide/protein  
CC encoded by a single exon probe of the invention.  
CC Note: The sequence data for this patent did not form part  
CC of the printed specification, but was obtained in electronic  
CC format directly from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences.  
XX SQ Sequence 178 AA;  
Query Match 100.0%; Score 31; DB 23; Length 178;  
Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 EEWVXXXXXXXX 11  
Db 90 EEWVDSPLCLP 100  
RESULT 92  
ABG29466  
ID ABG29466 standard; Protein; 181 AA.  
XX AC ABG29466;  
XX 18-FEB-2002 (first entry)  
XX Novel human diagnostic protein #29457.  
XX Human; chromosome mapping; gene mapping; gene therapy; forensic;  
KW food supplement; medical imaging; diagnostic; genetic disorder.  
XX Homo sapiens.  
XX WO200175067-A2.  
XX 11-OCT-2001.  
XX 30-MAR-2001; 2001WO-US08631.  
XX 31-MAR-2000; 2000US-0540217.  
XX 23-AUG-2000; 2000US-0649167.  
XX (HYSE-) HYSEQ INC.  
XX Drmanac RT, Liu C, Tang YT;  
XX WPI; 2001-639362/73.  
XX N-PSDB; AAS93653.  
XX New isolated polynucleotide and encoded polypeptides, useful in  
PT diagnostics, forensics, gene mapping, identification of mutations  
PT responsible for genetic disorders or other traits and to assess  
PT biodiversity -  
XX Claim 20; SEQ ID No 59825; 103pp; English.  
XX The invention relates to isolated polynucleotide (I) and  
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
CC and gene mapping, and in recombinant production of (II). The  
CC polynucleotides are also used in diagnostics as expressed sequence tags  
CC for identifying expressed genes. (I) is useful in gene therapy techniques  
CC to restore normal activity of (II) or to treat disease states involving  
CC (II). (II) is useful for generating antibodies against it, detecting or  
CC quantitating a polypeptide in tissue, as molecular weight markers and as  
CC a food supplement. (II) and its binding partners are useful in medical  
CC imaging of sites expressing (II). (I) and (II) are useful for treating  
CC disorders involving aberrant protein expression or biological activity.  
CC The polypeptide and polynucleotide sequences have applications in  
CC diagnostics, forensics, gene mapping, identification of mutations  
CC responsible for genetic disorders or other traits to assess biodiversity  
CC and to produce other types of data and products dependent on DNA and

CC amino acid sequences. ABG00010-ABG30377 represent novel human  
CC diagnostic amino acid sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 181 AA;  
Query Match 100.0%; Score 31; DB 22; Length 181;  
Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 152 EEVVRHHQHA 162  
RESULT 93  
AAG50789  
ID AAG50789 standard; Protein; 201 AA.  
XX  
AC AAG50789;  
XX  
DT 18-OCT-2000. (first entry)  
XX  
DE Arabidopsis thaliana protein fragment SEQ ID NO: 64399.  
XX  
KW Protein identification; signal transduction pathway; metabolic pathway;  
KW hybridisation assay; genetic mapping; gene expression control; promoter;  
KW termination sequence.  
XX  
OS Arabidopsis thaliana.  
XX  
PN EP1033405-A2.  
XX  
PD 06-SEP-2000.  
XX  
PF 25-FEB-2000; 2000EP-0301439.  
XX  
PR 25-FEB-1999; 99US-0121825.  
PR 05-MAR-1999; 99US-0123180.  
PR 09-MAR-1999; 99US-0123548.  
PR 23-MAR-1999; 99US-0125788.  
PR 29-MAR-1999; 99US-0126264.  
PR 29-MAR-1999; 99US-0126785.  
PR 01-APR-1999; 99US-0127462.  
PR 06-APR-1999; 99US-0128234.  
PR 08-APR-1999; 99US-0128714.  
PR 16-APR-1999; 99US-0129845.  
PR 19-APR-1999; 99US-0130077.  
PR 21-APR-1999; 99US-0130449.  
PR 23-APR-1999; 99US-0130510.  
PR 28-APR-1999; 99US-0130891.  
PR 30-APR-1999; 99US-0131449.  
PR 30-APR-1999; 99US-0132048.  
PR 04-MAY-1999; 99US-0132407.  
PR 05-MAY-1999; 99US-0132484.  
PR 06-MAY-1999; 99US-0132485.  
PR 06-MAY-1999; 99US-0132486.  
PR 07-MAY-1999; 99US-0132487.  
PR 11-MAY-1999; 99US-0132863.  
PR 14-MAY-1999; 99US-0134256.  
PR 14-MAY-1999; 99US-0134218.  
PR 14-MAY-1999; 99US-0134219.  
PR 14-MAY-1999; 99US-0134321.  
PR 18-MAY-1999; 99US-0134370.  
PR 18-MAY-1999; 99US-0134768.  
PR 19-MAY-1999; 99US-0134941.  
PR 20-MAY-1999; 99US-0135124.  
PR 21-MAY-1999; 99US-0135353.  
PR 24-MAY-1999; 99US-0135629.  
PR 25-MAY-1999; 99US-0136021.  
PR 27-MAY-1999; 99US-0136392.  
PR 28-MAY-1999; 99US-0136782.  
PR 01-JUN-1999; 99US-0137222.  
PR 03-JUN-1999; 99US-0137528.  
PR 04-JUN-1999; 99US-0137502.  
PR 07-JUN-1999; 99US-0137724.  
PR 08-JUN-1999; 99US-0138094.  
PR 10-JUN-1999; 99US-0138540.  
PR 10-JUN-1999; 99US-0138847.  
PR 14-JUN-1999; 99US-0139119.  
PR 16-JUN-1999; 99US-0139452.  
PR 16-JUN-1999; 99US-0139453.  
PR 17-JUN-1999; 99US-0139492.  
PR 18-JUN-1999; 99US-0139454.  
PR 18-JUN-1999; 99US-0139455.  
PR 18-JUN-1999; 99US-0139456.  
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Db 156 EEVVPKEGMP 166

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DT 31-JUL-1991 (first entry)
XX
DE P. falciparum peptide contg. repeated epitopes.
XX
KW Malaria; vaccine; peptide; parasite; antimalarial; epitope; disease;
diagnosis.
XX
OS Plasmodium falciparum.
XX
FH Key Location/Qualifiers
FT Region 5..13
FT /label= repeat element
FT /note= "one of 23 epitopic (approximate) repeats"
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FN W08600620-A.
XX
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XX
PA (INSP ) INST PASTEUR.
PA (CNRS ) CENT NAT RECH SCIENTIF.
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PI Koenen M, Scherf A, Muller-Hill B, Mercereau-Puijalon O;
Pereira Da Silva L;
XX
DR WPI; 1986-042105/06.
DR N-PSDB; AAN60479.
XX
PT New peptide contg. epi-tope for protein formed by malaria
infected cell - and DNA coding sequences, useful in diagnosis and
as immunogens in vaccines
PT as immunogens in vaccines
XX
PS Claim 1; Page 20; 30pp; French.
XX
CC The peptide comprises 23 epitopic 9-amino acid sequences,
characteristic of a protein produced by cells infected by the
malarial parasite Plasmodium falciparum. Compounds containing at
least one of the epitopic peptide sequences may be used as
diagnostic agents and as immunogens in antimalarial vaccines. The
compounds are prepared by usual homogeneous methods of peptide
synthesis. See also AAP60581.
XX
SQ Sequence 205 AA;

Query Match 100.0%; Score 31; DB 7; Length 205;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
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Db 9 EEVVPPELVEE 19
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KW Protein identification; signal transduction pathway; metabolic pathway;  
KW hybridisation assay; genetic mapping; gene expression control; promoter;  
KW termination sequence.  
XX OS  
XX OS Arabidopsis thaliana.  
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DE Arabidopsis thaliana.
XX Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
XX Arabidopsis thaliana.
OS Arabidopsis thaliana.
PN EP1033405-A2.
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PR 23-JUL-1999; 99US-0145218.
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PR 27-JUL-1999; 99US-0145918.
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PR 28-JUL-1999; 99US-0145951.
PR 02-AUG-1999; 99US-0145951.
PR 02-AUG-1999; 99US-0146386.
PR 02-AUG-1999; 99US-0146388.
PR 03-AUG-1999; 99US-0146389.
PR 03-AUG-1999; 99US-0147038.
PR 04-AUG-1999; 99US-0147204.
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PR 06-AUG-1999; 99US-0147416.
PR 09-AUG-1999; 99US-0147493.
PR 09-AUG-1999; 99US-0147935.
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PR 11-AUG-1999; 99US-0148319.
PR 12-AUG-1999; 99US-0148341.
PR 13-AUG-1999; 99US-0148565.
PR 13-AUG-1999; 99US-0148684.
PR 16-AUG-1999; 99US-0149368.
PR 17-AUG-1999; 99US-0149175.
PR 18-AUG-1999; 99US-0149426.
PR 20-AUG-1999; 99US-0149722.
PR 20-AUG-1999; 99US-0149723.
PR 20-AUG-1999; 99US-0149929.
PR 23-AUG-1999; 99US-0149902.
PR 23-AUG-1999; 99US-0149930.
PR 26-AUG-1999; 99US-0150566.
PR 26-AUG-1999; 99US-0150884.
PR 27-AUG-1999; 99US-0151065.

PR 27-AUG-1999; 99US-0151066.
PR 27-AUG-1999; 99US-0151080.
PR 30-AUG-1999; 99US-0151303.
PR 31-AUG-1999; 99US-0151438.
PR 01-SEP-1999; 99US-0151930.
PR 07-SEP-1999; 99US-0152363.
PR 10-SEP-1999; 99US-0153070.
PR 13-SEP-1999; 99US-0153758.
PR 15-SEP-1999; 99US-0154018.
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PR 20-SEP-1999; 99US-0154779.
PR 22-SEP-1999; 99US-0155139.
PR 23-SEP-1999; 99US-0155486.
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PR 29-SEP-1999; 99US-0156596.
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PR 21-OCT-1999; 99US-0160814.
PR 21-OCT-1999; 99US-0160815.
PR 22-OCT-1999; 99US-0160880.
PR 22-OCT-1999; 99US-0160981.
PR 22-OCT-1999; 99US-0160989.
PR 22-OCT-1999; 99US-0161404.
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PR 25-OCT-1999; 99US-0161406.
PR 26-OCT-1999; 99US-0161359.
PR 26-OCT-1999; 99US-0161360.
PR 26-OCT-1999; 99US-0161361.
PR 28-OCT-1999; 99US-0161920.
PR 28-OCT-1999; 99US-0161992.
PR 28-OCT-1999; 99US-0161993.
PR 29-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 31; DB 21; Length 212;
Best Local Similarity 45.5%; Pred. No. 1.5e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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Db 167 EEVPEKGMPL 177

RESULT 97
AAU39800
ID AAU39800 standard; Protein; 221 AA.
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AC AAU39800;
XX
DT 13-FEB-2002 (first entry)
XX
DE Propionibacterium acnes immunogenic protein #696.
XX
KW SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis;
KW uveitis; endophthalmitis; bone; joint; central nervous system; ELISA;
KW inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay;
KW

```

dermatological; osteopathic; neuroprotectant.  
Propionibacterium acnes.  
WO200181581-A2.  
01-NOV-2001.  
20-APR-2001; 2001WO-US12865.  
21-APR-2000; 2000US-199047P.  
02-JUN-2000; 2000US-208841P.  
07-JUL-2000; 2000US-216747P.  
(CORI-) CORIXA CORP.  
Skelky YAW, Persing DH, Mitcham JL, Wang SS, Bhatia A;  
L'maisonneuve J, Zhang Y, Jen S, Carter D;  
WPI; 2001-616774/71.  
DR N-PSDB; AAS59508.  
Propionibacterium acnes polypeptides and nucleic acids useful for  
vaccinating against and diagnosing infections, especially useful for  
treating acne vulgaris -  
Example 1; SEQ ID No 995; 1069pp; English.  
Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic  
polypeptides. The proteins and their associated DNA sequences are used in  
the treatment, prevention and diagnosis of medical conditions caused by  
P. acnes. The disorders include SAPHO syndrome (synovitis, acne,  
pustulosis, hypertostis and osteomyelitis), uveitis and endophthalmitis.  
P. acnes is also involved in infections of bone, joints and the central  
nervous system, however it is particularly involved in the inflammatory  
lesions associated with acne vulgaris. A method for detecting the  
presence or absence of P. acnes in a patient comprises contacting a  
sample with a binding agent that binds to the proteins of the invention  
and determining the amount of bound protein in the sample. The  
polypeptides may be used as antigens in the production of antibodies  
specific for P. acnes proteins. These antibodies can be used to  
downregulate expression and activity of P. acnes polypeptides and  
therefore treat P. acnes infections. The antibodies may also be used as  
diagnostic agents for determining P. acnes presence, for example, by  
enzyme linked immunosorbent assay (ELISA).  
Note: The sequence data for this patent did not form part of the printed  
specification, but was obtained in electronic format directly from WIPO  
at ftp.wipo.int/pub/published\_pct\_sequences.  
SQ Sequence 221 AA;  
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Best Local Similarity 45.58; Pred. No. 1.6e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
IIIIIIIIII  
Db 47 EEVVPVLLRA 57  
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ID AAU87110 standard; Protein; 228 AA.  
AC AAU87110;  
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XX  
DT 05-JUN-2002 (first entry)  
XX  
DE Novel central nervous system protein #20.  
XX  
XX Central nervous system; CNS; autoimmune disease; rheumatoid arthritis;  
KW hyperproliferative disorder; neoplasm; cardiovascular disorder;  
KW cardiac arrest; cerebrovascular disorder; ischaemia; angiogenesis;  
KW  
KW nervous system disorder; Alzheimer's disease; AIDS; ocular disorder;  
KW acquired immunodeficiency virus; dysphagia; gastrointestinal disorder;  
KW adenocarcinoma; reproductive system disorder; testicular feminisation;  
KW endocrine disorder; diabetes; cancer; leukaemia; neovascularisation;  
KW respiratory disorder; renal disorder; kidney failure; blood disorder;  
KW myocardial infarction; wound healing; cell proliferation; skin aging;  
KW food additive; food preservative; gene therapy.  
XX  
OS Homo sapiens.  
XX  
XX WO200155318-A2.  
XX  
XX 02-AUG-2001.  
XX  
XX 17-JAN-2001; 2001WO-US01332.  
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XX 31-JAN-2000; 2000US-0179065.  
PR 04-FEB-2000; 2000US-0180628.  
PR 24-FEB-2000; 2000US-0184664.  
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PR 18-APR-2000; 2000US-0198123.  
PR 19-MAY-2000; 2000US-0205515.  
PR 07-JUN-2000; 2000US-0209467.  
PR 28-JUN-2000; 2000US-0214886.  
PR 30-JUN-2000; 2000US-0215135.  
PR 07-JUL-2000; 2000US-0216647.  
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 PR 06-DEC-2000; 2000US-0256719.  
 PR 08-DEC-2000; 2000US-0251479.  
 PR 08-DEC-2000; 2000US-0251856.

PR 08-DEC-2000; 2000US-0251868.  
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 PR 08-DEC-2000; 2000US-0251989.  
 PR 11-DEC-2000; 2000US-0251990.  
 PR 11-DEC-2000; 2000US-0254097.  
 PR 05-JAN-2001; 2001US-0259678.  
 XX (HUMA-) HUMAN GENOME SCI INC.  
 PA Rosen CA, Barash SC, Ruben SM;  
 XX WPI; 2001-581633/65.  
 PI N-PSDB; ABK43440.  
 DR  
 DR  
 XX  
 PT New isolated nucleic acid encoding a protein for diagnosing,  
 PT preventing, treating or ameliorating medical conditions and used as  
 XX food additives or preservatives -  
 PS Claim 9; SEQ ID No 628; 837pp; English.  
 XX  
 CC The invention describes an isolated nucleic acid molecule (I) encoding a  
 CC novel central nervous system protein. (I) and polypeptides (III) encoded  
 CC by (I), are used to treat a medical conditions and in diagnosis of a  
 CC pathological condition. Disorders which are diagnosed or treated include  
 CC autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative  
 CC disorders e.g. neoplasms of the breast or liver, cardiovascular disorders  
 CC e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia,  
 CC angiogenesis, nervous system disorders e.g. Alzheimer's disease and  
 CC amyotrophic lateral sclerosis, infections caused by bacteria, viruses  
 CC e.g. Acquired immunodeficiency virus (AIDS) and fungi, ocular disorders  
 CC e.g. corneal infection, gastrointestinal disorders e.g. dysphagia,  
 CC adenocarcinomas and irritable bowel syndrome, reproductive system  
 CC disorders e.g. testicular feminisation, endocrine disorders e.g. diabetes  
 CC and pituitary dwarfism, cancers and disorders at the cellular level e.g.  
 CC leukaemia, disorders involving neovascularisation e.g. malignancies,  
 CC respiratory disorders e.g. nonallergic rhinitis, renal disorders e.g.  
 CC acute kidney failure and blood related disorders e.g. myocardial  
 CC infarction. The polypeptides can also be used to aid wound healing and  
 CC epithelial cell proliferation, to prevent skin aging due to sunburn, to  
 CC maintain organs before transplantation, for supporting cell culture of  
 CC primary tissues, to regenerate tissues and in chemotaxis. The  
 CC polypeptides can also be used as a food additive or preservative to  
 CC increase or decrease storage capabilities, fat content, lipid, protein,  
 Query Match 100.0%; Score 31; DB 22; Length 228;  
 Best Local Similarity 54.5%; pred. No. 1.6e+03;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

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 Db 218 EEVVEVIFKX 228  
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RESULT 99  
 AAU23151  
 ID AAU23151 standard; Protein; 228 AA.

XX AC AAU23151;  
 XX  
 DT 18-DEC-2001 (first entry)  
 XX  
 DE Novel human enzyme polypeptide #237.

XX Human; oxidoreductase enzyme; transferase; hydrolase; lyase; isomerase;  
 KW ligase; hyperproliferative disorder; immunodeficiency disorder;  
 KW autoimmune disorder; neurological disorder; metabolic disorder;  
 KW inflammatory disorder; cardiovascular disorder; reproductive disorder;  
 KW blood-related disorder; infectious disorder; cytostatic; anti arthritic;  
 KW nephrotropic; anticoagulant.  
 XX Homo sapiens.  
 OS  
 XX WO200155301-A2.  
 PN

audet-909164-5.dx-anysize600.rag

Thu May 29 17:38:54 2003

XX	PR	29-SEP-2000;	2000US-0236367.
PD	PR	29-SEP-2000;	2000US-0236368.
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XX	PR	02-OCT-2000;	2000US-0236802.
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PR	PR	17-NOV-2000;	2000US-0249300.
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PR	PR	11-DEC-2000;	2000US-0251990.
PR	PR	05-JAN-2001;	2001US-0259678.
XX	PR	(HUMA-) HUMAN GENOME SCI INC.	
XX	PA	Rosen CA, Barash SC, Ruben SM;	
XX	PI		
XX	XX		

DR WPI; 2001-465566/50.  
 DR N-PSDB; AAS41021.  
 XX Novel polypeptides and polynucleotides useful for diagnosing,  
 PT preventing, treating neural, immune system, muscular, reproductive,  
 PT pulmonary, cardiovascular, renal, proliferative disorders and cancerous  
 PT diseases.  
 XX  
 PS Claim 11; SEQ ID No 1147; 1180pp; English.  
 XX  
 CC The present invention relates to the isolation of novel human enzyme  
 CC polypeptides, and the cDNA (RAS40785-AAS41684) and genomic sequences  
 CC encoding them. The enzyme polypeptides of the invention may comprise the  
 CC functional classes of oxidoreductases, transferases, hydrolases, lyases,  
 CC isomerases or ligases. The sequences of the invention are useful in the  
 CC diagnosis, treatment, prevention and/or prognosis of a wide range of  
 CC disorders including hyperproliferative disorders (e.g. cancer),  
 CC immunodeficiency disorders (e.g. AIDS) autoimmune disorders  
 CC (e.g. arthritis), neurological disorders (e.g. Alzheimer's disease),  
 CC metabolic disorders (e.g. phenylketonuria), inflammatory disorders  
 CC (e.g. asthma), cardiovascular disorders (e.g. atherosclerosis),  
 CC blood-related disorders (e.g. haemophilia), reproductive disorders  
 CC (e.g. infertility) and infectious disorders (e.g. Influenza). The  
 CC polynucleotides of the invention can also be used in gene therapy.  
 CC AAU22915-AAU23814 represent the novel human enzyme polypeptides of the  
 CC invention.  
 CC Note: The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
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 CC Sequence 228 AA;  
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 Query Match 100.0%; Score 31; DB 22; Length 228;  
 Best Local Similarity 54.5%; Pred. No. 1.6e+03;  
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 AC AAG34992;  
 XX  
 DT 18-OCT-2000 (first entry)  
 XX  
 DE Arabidopsis thaliana protein fragment SEQ ID NO: 42673.  
 XX  
 KW Protein identification; signal transduction pathway; metabolic pathway;  
 KW hybridisation assay; genetic mapping; gene expression control; promoter;  
 KW termination sequence.  
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 OS Arabidopsis thaliana.  
 XX  
 PN EP1033405-A2.  
 XX  
 PD 06-SEP-2000.  
 XX  
 PF 25-FEB-2000; 2000EP-0301439.  
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XX	Human Bcl-Rambo_BHNO domain.	
DE	Human; apoptotic signal transduction protein; Bcl-Rambo; BHNO domain;	
XX	cancer; neurodegenerative disease; Alzheimer's disease; cytostatic;	
KW	nootropic; neuroprotective; antiparkinsonian; virucide; antiinflammatory;	
KW	immunosuppressive; anti-HIV; antibacterial; hepatotropic; septic shock;	
KW	Parkinson's disease; muscular dystrophy; HIV; viral infection; hepatitis;	
KW	graft versus host disease; autoimmune disease.	
XX	Homo sapiens.	
OS	WO200248353-A2.	
XX	20-JUN-2002.	
PD	12-DEC-2001; 2001WO-EPL4597.	
XX	12-DEC-2000; 2000DE-1061766.	
PR	04-JAN-2001; 2001DE-1000280.	
XX	(APOT-) APOTECH RES & DEV LTD.	
PA	Tschopp J, Hofmann K;	
XX	WPI: 2002-537627/57.	
PI	N-PSDB; AAL47611.	
XX	New DNA encoding Bcl-Rambo protein, useful for treating e.g. tumors and	
DR	for identifying therapeutic modulators of Bcl-Rambo function -	
XX	Claim 1; Fig 7; 61pp; German.	

XX The present invention provides the protein and coding sequences of the  
 CC human Bcl-Rambo apoptotic transcription factor, particularly the BHO  
 CC domain. The sequences are useful in the treatment of diseases caused by  
 CC incorrectly regulated intracellular signal transduction, including  
 CC cancers, neurodegenerative diseases (e.g. Alzheimer's or Parkinson's  
 CC diseases), muscular dystrophy, viral infections (including human  
 CC immunodeficiency virus), autoimmune disease, septic shock, graft versus  
 CC host disease and acute hepatitis. The present sequence is the human  
 CC Bcl-Rambo BHO domain.

XX Sequence 281 AA;

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Best Local Similarity 45.5%; Pred. No. 2e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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DB 192 EEVVPALPTE 202

RESULT 102

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XX AC AAG50787;

XX DT 18-OCT-2000 (first entry)

XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 64397.

XX KW Protein identification; signal transduction pathway; metabolic pathway;  
 KW hybridisation assay; genetic mapping; gene expression control; promoter;  
 KW termination sequence.

XX OS Arabidopsis thaliana.

XX PN EP1033405-A2.

XX PD 06-SEP-2000.

XX PF 25-FEB-2000; 2000EP-0301439.

XX 25-FEB-1999; 99US-0121825.

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XX 09-MAR-1999; 99US-0123548.

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DT 18-OCT-2000 (first entry)  
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KW hybridisation assay; genetic mapping; gene expression control; promoter;  
KW termination sequence.  
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Query Match 100.0%; Score 31; DB 21; Length 309;  
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[illegible]



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 DT 17-OCT-2000 (first entry)  
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 KW termination sequence.

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Query Match 100.0%; Score 31; DB 21; Length 337;  
Best Local Similarity 45.5%; Pred. No. 2.5e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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AC AAG30654;

XX 17-OCT-2000 (first entry)

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XX Arabidopsis thaliana.

XX Protein identification; signal transduction pathway; metabolic pathway;  
XX hybridisation assay; genetic mapping; gene expression control; promoter;  
XX termination sequence.

OS Arabidopsis thaliana.

XX EP1033405-A2.

PN 06-SEP-2000.

XX 06-SEP-2000.

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PR 14-OCT-1999; 99US-0159637.
PR 14-OCT-1999; 99US-0159638.
PR 18-OCT-1999; 99US-0159584.
PR 21-OCT-1999; 99US-0160741.
PR 21-OCT-1999; 99US-0160767.
PR 21-OCT-1999; 99US-0160770.
PR 21-OCT-1999; 99US-0160814.
PR 21-OCT-1999; 99US-0160815.
PR 22-OCT-1999; 99US-0160980.
PR 22-OCT-1999; 99US-0160981.
PR 22-OCT-1999; 99US-0160989.
PR 25-OCT-1999; 99US-0161404.
PR 25-OCT-1999; 99US-0161405.
PR 25-OCT-1999; 99US-0161406.
PR 26-OCT-1999; 99US-0161359.
PR 26-OCT-1999; 99US-0161360.
PR 26-OCT-1999; 99US-0161361.
PR 28-OCT-1999; 99US-0161920.
PR 28-OCT-1999; 99US-0161992.
PR 28-OCT-1999; 99US-0161993.
PR 29-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 31; DB 21; Length 348;
Best Local Similarity 45.5%; Pred. No. 2.6e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 BEVVPXXXXX 11
Db 303 BEVVPKEGMP 313

RESULT 109
AAG34990
ID AAG34990 standard; Protein; 384 AA.
XX AC AAG34990;
XX DT 18-OCT-2000 (first entry)
XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 42671.
XX KW Protein identification; signal transduction pathway; metabolic pathway;
XX KW hybridisation assay; genetic mapping; gene expression control; promoter;
XX KW termination sequence.
XX OS Arabidopsis thaliana.
XX PN EP1033405-A2.
XX PD 06-SEP-2000.
XX PF 25-FEB-2000; 2000EP-0301439.
XX PR 25-FEB-1999; 99US-0121825.
XX PR 05-MAR-1999; 99US-0123180.
XX PR 09-MAR-1999; 99US-0123548.
XX PR 23-MAR-1999; 99US-0125788.
XX PR 25-MAR-1999; 99US-0126284.

PR 29-MAR-1999; 99US-0126785.
PR 01-APR-1999; 99US-0127462.
PR 06-APR-1999; 99US-0128234.
PR 08-APR-1999; 99US-0128714.
PR 16-APR-1999; 99US-0129845.
PR 19-APR-1999; 99US-0130077.
PR 21-APR-1999; 99US-0130449.
PR 23-APR-1999; 99US-0130510.
PR 23-APR-1999; 99US-0130891.
PR 28-APR-1999; 99US-0131449.
PR 30-APR-1999; 99US-0132048.
PR 30-APR-1999; 99US-0132407.
PR 04-MAY-1999; 99US-0132484.
PR 05-MAY-1999; 99US-0132485.
PR 06-MAY-1999; 99US-0132486.
PR 06-MAY-1999; 99US-0132487.
PR 07-MAY-1999; 99US-0132863.
PR 11-MAY-1999; 99US-0134256.
PR 14-MAY-1999; 99US-0134218.
PR 14-MAY-1999; 99US-0134219.
PR 14-MAY-1999; 99US-0134221.
PR 18-MAY-1999; 99US-0134370.
PR 19-MAY-1999; 99US-0134768.
PR 19-MAY-1999; 99US-0134941.
PR 20-MAY-1999; 99US-0135124.
PR 21-MAY-1999; 99US-0135353.
PR 24-MAY-1999; 99US-0135629.
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PR 27-MAY-1999; 99US-0136392.
PR 28-MAY-1999; 99US-0136782.
PR 01-JUN-1999; 99US-0137222.
PR 03-JUN-1999; 99US-0137528.
PR 04-JUN-1999; 99US-0137502.
PR 07-JUN-1999; 99US-0137724.
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PR 10-JUN-1999; 99US-0138540.
PR 10-JUN-1999; 99US-0138847.
PR 14-JUN-1999; 99US-0139119.
PR 16-JUN-1999; 99US-0139452.
PR 16-JUN-1999; 99US-0139453.
PR 17-JUN-1999; 99US-0139492.
PR 18-JUN-1999; 99US-0139454.
PR 18-JUN-1999; 99US-0139455.
PR 18-JUN-1999; 99US-0139456.
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PR 18-JUN-1999; 99US-0139458.
PR 18-JUN-1999; 99US-0139459.
PR 18-JUN-1999; 99US-0139460.
PR 18-JUN-1999; 99US-0139461.
PR 18-JUN-1999; 99US-0139462.
PR 18-JUN-1999; 99US-0139463.
PR 18-JUN-1999; 99US-0139750.
PR 18-JUN-1999; 99US-0139763.
PR 21-JUN-1999; 99US-0139817.
PR 22-JUN-1999; 99US-0139859.
PR 23-JUN-1999; 99US-0140353.
PR 23-JUN-1999; 99US-0140354.
PR 24-JUN-1999; 99US-0140695.
PR 28-JUN-1999; 99US-0140823.
PR 29-JUN-1999; 99US-0140991.
PR 30-JUN-1999; 99US-0141287.
PR 01-JUL-1999; 99US-0141842.
PR 01-JUL-1999; 99US-0142154.
PR 02-JUL-1999; 99US-0142055.
PR 06-JUL-1999; 99US-0142390.
PR 08-JUL-1999; 99US-0142803.
PR 09-JUL-1999; 99US-0142920.
PR 12-JUL-1999; 99US-0142977.
PR 13-JUL-1999; 99US-0143542.
PR 14-JUL-1999; 99US-0143624.
PR 15-JUL-1999; 99US-0144005.
PR 16-JUL-1999; 99US-0144085.
PR 16-JUL-1999; 99US-0144086.
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PR 19-JUL-1999; 99US-0144325.  
PR 19-JUL-1999; 99US-0144331.  
PR 19-JUL-1999; 99US-0144332.  
PR 19-JUL-1999; 99US-0144333.  
PR 19-JUL-1999; 99US-0144334.  
PR 19-JUL-1999; 99US-0144335.  
PR 20-JUL-1999; 99US-0144352.  
PR 20-JUL-1999; 99US-0144632.  
PR 20-JUL-1999; 99US-0144884.  
PR 21-JUL-1999; 99US-0144814.  
PR 21-JUL-1999; 99US-0145086.  
PR 21-JUL-1999; 99US-0145088.  
PR 22-JUL-1999; 99US-0145085.  
PR 22-JUL-1999; 99US-0145087.  
PR 22-JUL-1999; 99US-0145089.  
PR 22-JUL-1999; 99US-0145192.  
PR 23-JUL-1999; 99US-0145145.  
PR 23-JUL-1999; 99US-0145218.  
PR 23-JUL-1999; 99US-0145224.  
PR 26-JUL-1999; 99US-0145276.  
PR 27-JUL-1999; 99US-0145913.  
PR 27-JUL-1999; 99US-0145918.  
PR 27-JUL-1999; 99US-0145919.  
PR 28-JUL-1999; 99US-0145951.  
PR 02-AUG-1999; 99US-0146386.  
PR 02-AUG-1999; 99US-0146388.  
PR 02-AUG-1999; 99US-0146389.  
PR 03-AUG-1999; 99US-0147038.  
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PR 04-AUG-1999; 99US-0147302.  
PR 05-AUG-1999; 99US-0147192.  
PR 05-AUG-1999; 99US-0147260.  
PR 06-AUG-1999; 99US-0147303.  
PR 06-AUG-1999; 99US-0147416.  
PR 09-AUG-1999; 99US-0147493.  
PR 09-AUG-1999; 99US-0147935.  
PR 10-AUG-1999; 99US-0148171.  
PR 11-AUG-1999; 99US-0148319.  
PR 12-AUG-1999; 99US-0148341.  
PR 13-AUG-1999; 99US-0148565.  
PR 13-AUG-1999; 99US-0148684.  
PR 16-AUG-1999; 99US-0149368.  
PR 17-AUG-1999; 99US-0149175.  
PR 18-AUG-1999; 99US-0149426.  
PR 20-AUG-1999; 99US-0149722.  
PR 20-AUG-1999; 99US-0149723.  
PR 20-AUG-1999; 99US-0149829.  
PR 23-AUG-1999; 99US-0149902.  
PR 23-AUG-1999; 99US-0149930.  
PR 25-AUG-1999; 99US-0150566.  
PR 26-AUG-1999; 99US-0150884.  
PR 27-AUG-1999; 99US-0151065.  
PR 27-AUG-1999; 99US-0151066.  
PR 27-AUG-1999; 99US-0151080.  
PR 30-AUG-1999; 99US-0151303.  
PR 31-AUG-1999; 99US-0151438.  
PR 01-SEP-1999; 99US-0151930.  
PR 07-SEP-1999; 99US-0152363.  
PR 10-SEP-1999; 99US-0153070.  
PR 13-SEP-1999; 99US-0153758.  
PR 13-SEP-1999; 99US-0154018.  
PR 16-SEP-1999; 99US-0154039.  
PR 20-SEP-1999; 99US-0154779.  
PR 22-SEP-1999; 99US-0155139.  
PR 23-SEP-1999; 99US-0155486.  
PR 24-SEP-1999; 99US-0155659.  
PR 28-SEP-1999; 99US-0156458.  
PR 29-SEP-1999; 99US-0156596.  
PR 04-OCT-1999; 99US-0157117.  
PR 05-OCT-1999; 99US-0157753.  
PR 06-OCT-1999; 99US-0157865.  
PR 07-OCT-1999; 99US-0158029.  
PR 08-OCT-1999; 99US-0158232.

PR 12-OCT-1999; 99US-0158369.  
PR 13-OCT-1999; 99US-0159293.  
PR 13-OCT-1999; 99US-0159294.  
PR 13-OCT-1999; 99US-0159295.  
PR 14-OCT-1999; 99US-0159329.  
PR 14-OCT-1999; 99US-0159330.  
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PR 14-OCT-1999; 99US-0159637.  
PR 14-OCT-1999; 99US-0159638.  
PR 18-OCT-1999; 99US-0159584.  
PR 21-OCT-1999; 99US-0160741.  
PR 21-OCT-1999; 99US-0160767.  
PR 21-OCT-1999; 99US-0160768.  
PR 21-OCT-1999; 99US-0160770.  
PR 21-OCT-1999; 99US-0160814.  
PR 21-OCT-1999; 99US-0160815.  
PR 22-OCT-1999; 99US-0160980.  
PR 22-OCT-1999; 99US-0160981.  
PR 22-OCT-1999; 99US-0160989.  
PR 25-OCT-1999; 99US-0161404.  
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PR 25-OCT-1999; 99US-0161406.  
PR 26-OCT-1999; 99US-0161359.  
PR 26-OCT-1999; 99US-0161360.  
PR 26-OCT-1999; 99US-0161361.  
PR 28-OCT-1999; 99US-0161920.  
PR 28-OCT-1999; 99US-0161992.  
PR 28-OCT-1999; 99US-0161993.  
PR 29-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 31; DB 21; Length 384;  
Best Local Similarity 45.5%; Pred. No. 2.9e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXX 11

Db 318 EEVFPVLRL 328

RESULT 110

ABB62674

ID ABB62674 standard; Protein; 409 AA.

XX AC ABB62674;

XX DT 26-MAR-2002 (first entry)

XX DE Drosophila melanogaster polypeptide SEQ ID NO 14814.

XX KW Drosophila; developmental biology; cell signalling; insecticide;  
pharmaceutical.  
XX OS Drosophila melanogaster.  
XX PN WO200171042-A2.  
XX PD 27-SEP-2001.  
XX PF 23-MAR-2001; 2001WO-US09231.  
XX PR 23-MAR-2000; 2000US-191637P.  
XX PR 11-JUL-2000; 2000US-0614150.  
XX (PEKE ) PE CORP NY.  
XX Venter JC, Adams M, Li PWD, Myers EW;  
XX WPI; 2001-656860/75.  
XX DR N-PSDB; ABL06777.  
XX PT New isolated nucleic acid detection reagent for detecting 1000 or more  
genes from Drosophila and for elucidating cell signalling and cell-cell  
interactions -

XX Disclosure; SEQ ID NO 14814; 21pp + Sequence Listing; English.  
PS  
XX  
CC The invention relates to an isolated nucleic acid detection reagent  
CC capable of detecting 1000 or more genes from *Drosophila*. The invention is  
CC useful in developmental biology and in elucidating cell signalling and  
CC cell-cell interactions in higher eukaryotes for the development of  
CC insecticides, therapeutics and pharmaceutical drugs. The invention  
CC discloses genomic DNA sequences (ABL01840-ABL16176-ABL30511), expressed DNA  
CC sequences (ABL01840-ABL16175) and the encoded proteins  
CC (ABB57737-ABB72072).  
CC The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 409 AA;  
  
Query Match 100.0%; Score 31; DB 22; Length 409;  
Best Local Similarity 45.5%; Pred. No. 3 1e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 EEVVPXXXXX 11  
Db 301 EEVVPDLLDGD 311  
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RESULT 111  
AAB96505  
ID AAB96505 standard; Protein; 419 AA.  
AC AAB96505;  
XX  
XX 29-OCT-2001 (first entry)  
DT  
DE Putative P. abyssi molecular chaperone #1.  
DE  
XX Hyperthermophilic archaeon; hyperthermophilic protein.  
KW  
XX Pyrococcus abyssi.  
OS  
XX FR2792651-A1.  
PN  
XX 27-OCT-2000.  
PD  
XX 21-APR-1999; 99FR-0005034.  
PF  
XX 21-APR-1999; 99FR-0005034.  
PR  
XX (CNRS ) CNRS CENT NAT RECH SCI.  
PA (IFRE-) IFREMER INST FR RECH EXPL MER.  
PA  
XX Forterre P, Thierry JC, Prieur D, Dietrich J, Lecompte O;  
PI Querellou J, Weissenbach J, Saurin W, Heilig R;  
XX WPI; 2001-126236/14.  
DR  
XX New nucleotide sequences isolated from *Pyrococcus abyssi* encode  
PT proteins useful in industry -  
PT  
XX Claim 7; Pages 1221-1222; 1657pp; French.  
PS  
XX The present invention relates to the genomic sequence of *Pyrococcus*  
CC abyssi (see AAF86431 and AAH41223-7) and P. abyssi proteins. P. abyssi is  
CC a hyperthermophilic archaeon, which is isolated from deep-sea  
CC hydrothermal vents. The present sequence is one such P. abyssi protein.  
CC The proteins of the present invention have various potential industrial  
CC uses, since the proteins are stable at very high temperatures, some up to  
CC 110 degrees centigrade.  
CC Note: This patent is in the same patent family as WO2000065062, which  
CC contains additional sequences as shown in AAB99132-AAB99143.  
CC AAH75903-AAH75920 and AAG66436.  
XX  
SQ Sequence 419 AA;

Query Match 100.0%; Score 31; DB 22; Length 419;  
Best Local Similarity 45.5%; Pred. No. 3.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 EEVVPXXXXX 11  
Db 201 EEVVP EEVEVE 211  
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RESULT 112  
ABB66828  
ID ABB66828 standard; Protein; 449 AA.  
AC ABB66828;  
XX  
XX 26-MAR-2002 (first entry)  
DT  
XX *Drosophila melanogaster* polypeptide SEQ ID NO 27276.  
DE  
XX *Drosophila*; developmental biology; cell signalling; insecticide;  
KW pharmacological.  
KW  
XX *Drosophila melanogaster*.  
OS  
XX WO200171042-A2.  
PN  
XX 27-SEP-2001.  
PD  
XX 23-MAR-2001; 2001WO-US09231.  
PE  
XX 23-MAR-2000; 2000US-191637P.  
PR 11-JUL-2000; 2000US-0614150.  
XX (PEKE ) PE CORP NY.  
PA  
XX Venter JC, Adams M, Li PWD, Myers EW;  
PI WPI; 2001-656860/75.  
XX N-PSDB; ABL10931.  
DR  
XX New isolated nucleic acid detection reagent for detecting 1000 or more  
PT genes from *Drosophila* and for elucidating cell signalling and cell-cell  
PT interactions -  
PT  
XX Disclosure; SEQ ID NO 27276; 21pp + Sequence Listing; English.  
PS  
XX The invention relates to an isolated nucleic acid detection reagent  
CC capable of detecting 1000 or more genes from *Drosophila*. The invention is  
CC useful in developmental biology and in elucidating cell signalling and  
CC cell-cell interactions in higher eukaryotes for the development of  
CC insecticides, therapeutics and pharmaceutical drugs. The invention  
CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
CC sequences (ABL01840-ABL16175) and the encoded proteins  
CC (ABB57737-ABB72072).  
CC The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 449 AA;

Query Match 100.0%; Score 31; DB 22; Length 449;  
Best Local Similarity 45.5%; Pred. No. 3.4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 EEVVPXXXXX 11  
Db 113 EEVVPPTFC 123  
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RESULT 113  
AAE23035  
ID AAE23035 standard; Protein; 454 AA.

XX AC AAE23035;  
 XX DT 21-AUG-2002 (first entry)  
 XX DE Human thioresoxin, 22108 protein.  
 XX KW Human; thioresoxin; 22108; 47916; haematopoietic disorder; leukaemia;  
 KW cancer; lung; breast; thyroid; head; neck; prostate; genitourinary tract;  
 KW cardiovascular disease; angina pectoris; arteriosclerosis; heart failure;  
 KW brain disorder; brain abscess; meningitis; Alzheimer's disease; sarcoma;  
 KW cytostatic; carcinoma; cardiac; neuroprotective; antiinflammatory;  
 KW gene therapy; nootropic.  
 XX OS Homo sapiens.  
 XX FH Key Location/Qualifiers  
 FT Peptide 1..24  
 FT Protein /label= Signal\_peptide  
 FT Domain /label= Mature\_22108\_protein  
 FT Domain /note= "Non-transmembrane domain"  
 FT Domain /note= "Thioresoxin domain"  
 FT Active-site /note= "Thioresoxin family active site"  
 FT Domain /label= Transmembrane\_domain  
 FT Domain /note= "C-terminal non-transmembrane domain"  
 XX WO200226803-A2.  
 XX PD 04-APR-2002.  
 XX PF 25-SEP-2001; 2001WO-US29967.  
 XX PR 25-SEP-2000; 2000US-235049P.  
 XX PA (MILL-) MILLENIUM PHARM INC.  
 XX PI Bandaru R, Kapeller-Libermann R;  
 XX WPI: 2002-416475/44.  
 XX N-PSDB; AAD36902.  
 XX PT New human thioresoxin nucleic acid and polypeptide molecules,  
 PT designated 22108 and 47916, useful for diagnosing, preventing or  
 PT treating cancer (e.g. carcinoma), cardiovascular diseases (e.g. heart  
 PT failure) or brain disorders.  
 XX PS Claim 5; Page 110; 124pp; English.  
 XX CC The invention relates to human thioresoxin nucleic acid and polypeptide  
 CC molecules, designated 22108 and 47916. The compound that modulates the  
 CC activity or expression of 22108 and 47916 nucleic acid is useful for  
 CC treating or preventing a disorder characterised by aberrant activity of  
 CC 22108 and 47916-expressing cell, specifically for reducing or inhibiting  
 CC the aberrant activity of the 22108 and 47916-expressing cancer cell. The  
 CC 22108 and 47916 nucleic acid and polypeptide are useful for diagnosing,  
 CC preventing or treating cancer in a subject (e.g. carcinoma, sarcoma,  
 CC metastatic or haematopoietic disorders (e.g. leukaemia), or cancers of  
 CC the lung, breast, thyroid, head neck, prostate or genito-urinary tract),  
 CC cardiovascular diseases (e.g. angina pectoris, arteriosclerosis or heart  
 CC failure) or brain disorders (e.g. brain abscess, meningitis, Alzheimer's  
 CC diseases). The thioresoxin DNA is also useful in gene therapy. The  
 CC present sequence is human thioresoxin, 22108 protein.  
 XX SQ Sequence 454 AA;  
 XX Query Match 100.0%; Score 31; DB 23; Length 454;  
 XX Best Local Similarity 45.5%; Pred. No. 3.5e+03;  
 XX Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 Db 185 EEVPEYVTLK 195  
 RESULT 114  
 ABB97441  
 ID ABB97441 standard; Protein; 454 AA.  
 XX AC ABB97441;  
 XX DT 27-JUN-2002 (first entry)  
 XX DE Novel human protein SEQ ID NO: 709.  
 XX KW Human; antianaemic; vulnery; antiinflammatory; immunomodulator;  
 KW antinfertility; cerebroprotective; cytostatic; rheumatic; gene therapy;  
 KW neuroprotective; antiparkinsonian; protein therapy; EST;  
 XX expressed sequence tag.  
 XX OS Homo sapiens.  
 XX PN WO200222660-A2.  
 XX PD 21-MAR-2002.  
 XX PF 10-SEP-2001; 2001WO-US26015.  
 XX PR 11-SEP-2000; 2000US-0659671.  
 XX PA (HYSE-) HYSEQ INC.  
 XX PI Tang YT, Liu C, Zhou P, Asundi V, Zhang J, Zhao QA, Ren F;  
 PI Xue AJ, Yang Y, Wehrman T, Dmanac RT;  
 XX WPI: 2002-292408/33.  
 XX N-PSDB; ABN32627.  
 XX PT An isolated polynucleotide for treating diseases associated with its  
 PT encoded polypeptide such as cancer and multiple sclerosis.  
 XX PS Claim 20; SEQ ID NO 709; 509pp; English.  
 XX CC The present invention provides the protein and coding sequences of 444  
 CC novel human proteins. These were isolated from expressed sequences tags  
 CC (ESTs). They can be used to stimulate cell growth, to regulate  
 CC haematopoiesis e.g. to treat aplastic anaemia, to help tissue regrowth  
 CC e.g. in burn treatment, to regulate the immune system e.g. to treat  
 CC multiple sclerosis, to regulate the active or inhibin e.g. to treat  
 CC infertility, to regulate haemostasis or thrombolysis e.g. to treat  
 CC stroke and cancer, to screen for drugs, to treat inflammatory conditions  
 CC e.g. rheumatoid arthritis, and to treat nervous system disorders e.g.  
 CC Parkinson's disease. The present sequence is a protein of the invention.  
 XX SQ Sequence 454 AA;  
 XX Query Match 100.0%; Score 31; DB 23; Length 454;  
 XX Best Local Similarity 45.5%; Pred. No. 3.5e+03;  
 XX Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 Db 185 EEVPEYVTLK 195  
 RESULT 115  
 AAO18220  
 ID AAO18220 standard; Protein; 481 AA.  
 XX AC AAO18220;  
 XX SQ Sequence 454 AA;  
 XX Query Match 100.0%; Score 31; DB 23; Length 454;  
 XX Best Local Similarity 45.5%; Pred. No. 3.5e+03;  
 XX Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

DT 18-SEP-2002 (first entry)  
DE Human Bcl-Rambo BHO domain related protein #1.  
XX  
KW Human; apoptotic signal transduction protein; Bcl-Rambo; BHO domain;  
KW cancer; neurodegenerative disease; Alzheimer's disease; cytostatic;  
KW notropic; neuroprotective; antiparkinsonian; virucide; antiinflammatory;  
KW immunosuppressive; anti-HIV; antibacterial; hepatotropic; septic shock;  
KW Parkinson's disease; muscular dystrophy; HIV; viral infection; hepatitis;  
KW graft versus host disease; autoimmune disease.  
XX  
OS Unidentified.  
XX  
XX WO200248353-A2.  
XX  
XX 20-JUN-2002.  
XX  
XX 12-DEC-2001; 2001WO-EP14597.  
XX  
XX 12-DEC-2000; 2000DE-1061766.  
XX  
XX 04-JAN-2001; 2001DE-1000280.  
XX  
XX (APOT-) APOTECH RES & DEV LTD.  
XX  
XX Tschopp J, Hofmann K;  
XX  
XX WPI; 2002-537627/57.  
XX  
XX New DNA encoding Bcl-Rambo protein, useful for treating e.g. tumors and  
XX for identifying therapeutic modulators of Bcl-Rambo function -  
XX Disclosure; Fig 1; 61pp; German.  
XX  
XX The present invention provides the protein and coding sequences of the  
XX human Bcl-Rambo apoptotic transcription factor, particularly the BHO  
XX domain. The sequences are useful in the treatment of diseases caused by  
XX incorrectly regulated intracellular signal transduction, including  
XX cancers, neurodegenerative diseases (e.g. Alzheimer's or Parkinson's  
XX diseases), muscular dystrophy, viral infections (including human  
XX immunodeficiency virus), autoimmune disease, septic shock, graft versus  
XX host disease and acute hepatitis. The present sequence is a protein  
XX described in the exemplification of the invention.  
XX  
SQ Sequence 481 AA;  
Query Match 100.0%; Score 31; DB 23; Length 481;  
Best Local Similarity 45.5%; Pred. No. 3.7e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
|||||:  
Db 392 EEVVPALPEPE 402  
RESULT 116  
AAM39971  
ID AAM39971 standard; Protein; 485 AA.  
XX  
XX AAM39971;  
XX  
XX 22-OCT-2001 (first entry)  
XX  
XX Human polypeptide SEQ ID NO 3116.  
XX  
XX Human; notropic; immunosuppressant; cytostatic; gene therapy; cancer;  
KW peripheral nervous system; neuropathy; central nervous system; CNS;  
KW Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic;  
KW amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic;  
KW chemokinetic; thrombolytic; drug screening; arthritis; inflammation;  
KW leukaemia.  
XX  
XX Homo sapiens.  
OS  
XX

PN WO200153312-A1.  
XX  
XX 26-JUL-2001.  
XX  
XX 26-DEC-2000; 2000WO-US34263.  
XX  
XX 21-JAN-2000; 2000US-0488725.  
XX  
XX 25-APR-2000; 2000US-0552317.  
XX  
XX 09-JUL-2000; 2000US-0598042.  
XX  
XX 19-JUL-2000; 2000US-0620312.  
XX  
XX 03-AUG-2000; 2000US-0653450.  
XX  
XX 14-SEP-2000; 2000US-0662191.  
XX  
XX 19-OCT-2000; 2000US-0693036.  
XX  
XX 29-NOV-2000; 2000US-0727344.  
XX  
XX (HYSE-) HYSEQ INC.  
XX  
XX Tang YT, Liu C, Asundi V, Chen R, Ma Y, Qian XB, Ren F, Wang D;  
XX Wang J, Wang Z, Wehrman T, Xu C, Xue AJ, Yang Y, Zhang J;  
XX Zhao QA, Zhou P, Goodrich R, Drmanac RT;  
XX  
XX WPI; 2001-442253/47.  
XX  
XX N-PSDB; AAI59127.  
XX  
XX Novel nucleic acids and polypeptides, useful for treating disorders  
XX such as central nervous system injuries -  
XX  
XX Example 4; SEQ ID NO 3116; 10078pp; English.  
XX  
XX The invention relates to human nucleic acids (AA157798-AA161369) and  
XX the encoded polypeptides (AAM38642-AA44213) with notropic,  
XX immunosuppressant and cytostatic activity. The polynucleotides are useful  
XX in gene therapy. A composition containing a polypeptide or polynucleotide  
XX of the invention may be used to treat diseases of the peripheral nervous  
XX system, such as peripheral nervous injuries, peripheral neuropathy and  
XX localised neuropathies and central nervous system diseases, such as  
XX Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic  
XX lateral sclerosis, and Shy-Drager Syndrome. Other uses include the  
XX utilisation of the activities such as: Immune system suppression,  
XX Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic  
XX and thrombolytic activity, cancer diagnosis and therapy, drug screening,  
XX assays for receptor activity, arthritis and inflammation, leukaemias and  
XX C.N.S disorders.  
XX  
XX Note: The sequence data for this patent did not form part of the printed  
XX specification.  
XX  
SQ Sequence 485 AA;  
Query Match 100.0%; Score 31; DB 22; Length 485;  
Best Local Similarity 45.5%; Pred. No. 3.8e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
|||||:  
Db 396 EEVVPALPEPE 406  
RESULT 117  
AAO18225  
ID AAO18225 standard; Protein; 485 AA.  
XX  
XX AAO18225;  
XX  
XX 18-SEP-2002 (first entry)  
XX  
XX Human Bcl-Rambo.  
XX  
XX Human; apoptotic signal transduction protein; Bcl-Rambo; BHO domain;  
KW cancer; neurodegenerative disease; Alzheimer's disease; cytostatic;  
KW notropic; neuroprotective; antiparkinsonian; virucide; antiinflammatory;  
KW immunosuppressive; anti-HIV; antibacterial; hepatotropic; septic shock;  
KW Parkinson's disease; muscular dystrophy; HIV; viral infection; hepatitis;  
KW graft versus host disease; autoimmune disease.



XX OS Homo sapiens.  
 XX PN WO200248353-A2.  
 XX PD 20-JUN-2002.  
 XX PF 12-DEC-2001; 2001WO-BP14597.  
 XX PR 12-DEC-2000; 2000DE-1061766.  
 XX PR 04-JAN-2001; 2001DE-1000280.  
 XX PA (APOT-) APOTEC RES & DEV LTD.  
 XX PI Tschopp J, Hofmann K;  
 XX WPI; 2002-537627/57.  
 XX DR N-PSDB; AAL47611.  
 XX New DNA encoding Bcl-Rambo protein, useful for treating e.g. tumors and  
 PT for identifying therapeutic modulators of Bcl-Rambo function -  
 XX Claim 3; Fig 8; 61pp; German.  
 CC The present invention provides the protein and coding sequences of the  
 CC human Bcl-Rambo apoptotic transcription factor, particularly the BHNO  
 CC domain. The sequences are useful in the treatment of diseases caused by  
 CC incorrectly regulated intracellular signal transduction, including  
 CC cancers, neurodegenerative diseases (e.g. Alzheimer's or Parkinson's  
 CC diseases), muscular dystrophy, viral infections (including human  
 CC immunodeficiency virus), autoimmune disease, septic shock, graft versus  
 CC host disease and acute hepatitis. The present sequence is the human  
 CC Bcl-Rambo protein.  
 XX Sequence 485 AA;  
 SQ Query Match 100.0%; Score 31; DB 23; Length 485;  
 Best Local Similarity 45.5%; Pred. No. 3.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db 396 EEVVPALTEPE 406  
 RESULT 118  
 AAB94792  
 ID AAB94792 standard; Protein; 492 AA.  
 AC AAB94792;  
 XX 26-JUN-2001 (first entry)  
 DT Human protein sequence SEQ ID NO:15911.  
 DE Human; primer; detection; diagnosis; antisense therapy; gene therapy.  
 XX Human; primer; detection; diagnosis; antisense therapy; gene therapy.  
 KW Homo sapiens.  
 OS Homo sapiens.  
 XX EP1074617-A2.  
 PN 07-FEB-2001.  
 XX 28-JUL-2000; 2000EP-0116126.  
 XX 29-JUL-1999; 99JP-0248036.  
 XX 27-AUG-1999; 99JP-0300253.  
 XX 11-JAN-2000; 2000JP-0118776.  
 XX 02-MAY-2000; 2000JP-0183767.  
 XX 09-JUN-2000; 2000JP-0241899.  
 XX (HELI-) HELIX RES INST.  
 XX

PI Ota T, Isogai T, Nishikawa T, Hayashi K, Saito K, Yamamoto J;  
 PI Ishii S, Sugiyama T, Wakamatsu A, Nagai K, Otsuki T;  
 XX WPI; 2001-318749/34.  
 XX Primer sets for synthesizing polynucleotides, particularly the 5602  
 PT full-length cDNAs defined in the specification, and for the detection  
 PT and/or diagnosis of the abnormality of the proteins encoded by the  
 PT full-length cDNAs -  
 XX Claim 8; SEQ ID 15911; 2537pp + CD ROM; English.  
 XX The present invention describes primer sets for synthesizing 5602  
 CC full-length cDNAs defined in the specification. Where a primer set  
 CC comprises: (a) an oligo-dT primer and an oligonucleotide complementary  
 CC to the complementary strand of a polynucleotide which comprises one of  
 CC the 5602 nucleotide sequences defined in the specification, where the  
 CC oligonucleotide comprises at least 15 nucleotides; or (b) a combination  
 CC of an oligonucleotide comprising a sequence complementary to the  
 CC complementary strand of a polynucleotide which comprises a 5'-end  
 CC sequence and an oligonucleotide comprising a sequence complementary to a  
 CC polynucleotide which comprises a 3'-end sequence, where the  
 CC oligonucleotide comprises at least 15 nucleotides and the combination of  
 CC the 5'-end sequence/3'-end sequence is selected from those defined in  
 CC the specification. The primer sets can be used in antisense therapy and  
 CC in gene therapy. The primers are useful for synthesizing polynucleotides,  
 CC particularly full-length cDNAs. The primers are also useful for the  
 CC detection and/or diagnosis of the abnormality of the proteins encoded by  
 CC the full-length cDNAs. The primers allow obtaining of the full-length  
 CC cDNAs easily without any specialised methods. AAH03166 to AAH13628 and  
 CC AAH13633 to AAH18742 represent human cDNA sequences; AAB92446 to  
 CC AAB95893 represent human amino acid sequences; and AAH13629 to AAH13632  
 CC represent oligonucleotides, all of which are used in the exemplification  
 CC of the present invention.  
 XX Sequence 492 AA;  
 SQ Query Match 100.0%; Score 31; DB 22; Length 492;  
 Best Local Similarity 45.5%; Pred. No. 3.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db 244 EEVVPASILLH 254  
 RESULT 119  
 ABG12505  
 ID ABG12505 standard; Protein; 506 AA.  
 AC ABG12505;  
 XX 18-FEB-2002 (first entry)  
 DT Novel human diagnostic protein #12496.  
 DE Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 XX Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder.  
 XX Homo sapiens.  
 OS Homo sapiens.  
 XX WO200175067-A2.  
 PN 11-OCT-2001.  
 PD 30-MAR-2001; 2001WO-US08631.  
 XX 31-MAR-2000; 2000US-0540217.  
 XX 23-AUG-2000; 2000US-0649167.  
 XX (HYSE-) HYSEQ INC.  
 XX Drmanac RT, Liu C, Tang YT;  
 PI

XX WPI; 2001-639362/73.  
DR N-PSDB; AAS76692.  
XX  
XX New isolated polynucleotide and encoded polypeptides, useful in  
PT diagnostics, forensics, gene mapping, identification of mutations  
PT responsible for genetic disorders or other traits and to assess  
PT biodiversity -  
XX  
XX Claim 20; SEQ ID No 42864; 103pp; English.  
XX  
XX The invention relates to isolated polynucleotide (I) and  
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
CC and gene mapping, and in recombinant production of (II). The  
CC polynucleotides are also used in diagnostics as expressed sequence tags  
CC for identifying expressed genes. (I) is useful in gene therapy techniques  
CC to restore normal activity of (II) or to treat disease states involving  
CC quantitating a polypeptide in tissue, as molecular weight markers and as  
CC a food supplement. (II) and its binding partners are useful in medical  
CC imaging of sites expressing (II). (I) and (II) are useful for treating  
CC disorders involving aberrant protein expression or biological activity.  
CC The polypeptide and polynucleotide sequences have applications in  
CC diagnostics, forensics, gene mapping, identification of mutations  
CC responsible for genetic disorders or other traits to assess biodiversity  
CC and to produce other types of data and products dependent on DNA and  
CC amino acid sequences. ABG00010-ABG30377 represent novel human  
CC diagnostic amino acid sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 506 AA;  
  
Query Match 100.0%; Score 31; DB 22; Length 506;  
Best Local Similarity 45.5%; Pred. No. 3.9e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 340 EEVVPFLKLF 350  
  
RESULT 120  
ABG18772  
ID ABG18772 standard; Protein; 508 AA.  
XX  
XX AC ABG18772;  
XX  
XX 18-FEB-2002 (first entry)  
XX  
XX DE Novel human diagnostic protein #18763.  
XX  
XX KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
KW food supplement; medical imaging; diagnostic; genetic disorder.  
XX  
XX OS Homo sapiens.  
XX  
XX PN WO200175067-A2.  
XX  
XX PD 11-OCT-2001.  
XX  
XX PF 30-MAR-2001; 2001WO-US08631.  
XX  
XX PR 31-MAR-2000; 2000US-0540217.  
XX  
XX PR 23-AUG-2000; 2000US-0649167.  
XX  
XX PA (HYSE-) HYSEQ INC.  
XX  
XX PI Drmanac RT, Liu C, Tang YT;  
XX  
XX WPI; 2001-639362/73.  
DR

DR N-PSDB; AAS82959.  
XX  
XX New isolated polynucleotide and encoded polypeptides, useful in  
PT diagnostics, forensics, gene mapping, identification of mutations  
PT responsible for genetic disorders or other traits and to assess  
PT biodiversity -  
XX  
XX Claim 20; SEQ ID No 49131; 103pp; English.  
XX  
XX The invention relates to isolated polynucleotide (I) and  
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
CC and gene mapping, and in recombinant production of (II). The  
CC polynucleotides are also used in diagnostics as expressed sequence tags  
CC for identifying expressed genes. (I) is useful in gene therapy techniques  
CC to restore normal activity of (II) or to treat disease states involving  
CC quantitating a polypeptide in tissue, as molecular weight markers and as  
CC a food supplement. (II) and its binding partners are useful in medical  
CC imaging of sites expressing (II). (I) and (II) are useful for treating  
CC disorders involving aberrant protein expression or biological activity.  
CC The polypeptide and polynucleotide sequences have applications in  
CC diagnostics, forensics, gene mapping, identification of mutations  
CC responsible for genetic disorders or other traits to assess biodiversity  
CC and to produce other types of data and products dependent on DNA and  
CC amino acid sequences. ABG00010-ABG30377 represent novel human  
CC diagnostic amino acid sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 508 AA;  
  
Query Match 100.0%; Score 31; DB 22; Length 508;  
Best Local Similarity 45.5%; Pred. No. 4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 285 EEVVPSSNPDS 295  
  
RESULT 121  
AAU64492  
ID AAU64492 standard; Protein; 527 AA.  
XX  
XX AC AAU64492;  
XX  
XX DT 27-FEB-2002 (first entry)  
XX  
XX DE Propionibacterium acnes immunogenic protein #25388.  
XX  
XX KW SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis;  
KW uveitis; endophthalmitis; bone; joint; central nervous system; ELISA;  
KW inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay;  
KW dermatological; osteopathic; neuroprotectant.  
XX  
XX OS Propionibacterium acnes.  
XX  
XX PN WO200181581-A2.  
XX  
XX PD 01-NOV-2001.  
XX  
XX PF 20-APR-2001; 2001WO-US12865.  
XX  
XX PR 21-APR-2000; 2000US-199047P.  
XX  
XX PR 02-JUN-2000; 2000US-208841P.  
XX  
XX PR 07-JUL-2000; 2000US-216747P.  
XX  
XX PA (CORI-) CORIXA CORP.  
XX  
XX PI Skeiky YAW, Persing DH, Mitcham JL, Wang SS, Bhatia A;  
PI L'maisonneuve J, Zhang Y, Jen S, Carter D;

XX WPI: 2001-616774/71.  
 DR N-PSDB; AAS59645.  
 XX  
 PT Propionibacterium acnes polypeptides and nucleic acids useful for  
 PT vaccinating against and diagnosing infections, especially useful for  
 PT treating acne vulgaris.  
 XX  
 PS Example 1; SEQ ID No 25687; 1069pp; English.  
 XX  
 CC Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic  
 CC polypeptides. The proteins and their associated DNA sequences are used in  
 CC the treatment, prevention and diagnosis of medical conditions caused by  
 CC P. acnes. The disorders include SAPHO syndrome (synovitis, acne,  
 CC pustulosis, hypertosis and osteomyelitis), uveitis and endophthalmitis.  
 CC P. acnes is also involved in infections of bone, joints and the central  
 CC nervous system, however it is particularly involved in the inflammatory  
 CC lesions associated with acne vulgaris. A method for detecting the  
 CC presence or absence of P. acnes in a patient comprises contacting a  
 CC sample with a binding agent that binds to the proteins of the invention  
 CC and determining the amount of bound protein in the sample. The  
 CC polypeptides may be used as antigens in the production of antibodies  
 CC specific for P. acnes proteins. These antibodies can be used to  
 CC downregulate expression and activity of P. acnes polypeptides and  
 CC therefore treat P. acnes infections. The antibodies may also be used as  
 CC diagnostic agents for determining P. acnes presence, for example, by  
 CC enzyme linked immunosorbent assay (ELISA).  
 CC Note: The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 527 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 527;  
 Best Local Similarity 45.5%; Pred. No. 4.1e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 483 EEVVPRTVM 493  
 RESULT 122  
 ABG26669  
 ID ABG26669 standard; Protein; 564 AA.  
 XX  
 AC ABG26669;  
 XX  
 DT 18-FEB-2002 (first entry)  
 XX  
 DE Novel human diagnostic protein #26660.  
 XX  
 KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200175067-A2.  
 XX  
 PD 11-OCT-2001.  
 XX  
 XX 30-MAR-2001; 2001WO-US08631.  
 XX  
 PF 31-MAR-2000; 2000US-0540217.  
 PR 23-AUG-2000; 2000US-0649167.  
 XX  
 XX (HYSE-) HYSEQ INC.  
 PA Drmanac RT, Liu C, Tang YT;  
 XX  
 PI WPI: 2001-639362/73.  
 DR N-PSDB; AAS90856.  
 XX  
 PT New isolated nucleic acid detection reagent for detecting 1000 or more  
 PT genes from Drosophila and for elucidating cell signalling and cell-cell

PT New isolated polynucleotide and encoded polypeptides, useful in  
 PT diagnostics, forensics, gene mapping, identification of mutations  
 PT responsible for genetic disorders or other traits and to assess  
 PT biodiversity  
 XX  
 PS Claim 20; SEQ ID No 57028; 103pp; English.  
 XX  
 CC The invention relates to isolated polynucleotide (I) and  
 CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
 CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
 CC and gene mapping, and in recombinant production of (II). The  
 CC polynucleotides are also used in diagnostics as expressed sequence tags  
 CC for identifying expressed genes. (I) is useful in gene therapy techniques  
 CC to restore normal activity of (II) or to treat disease states involving  
 CC (II). (II) is useful for generating antibodies against it, detecting or  
 CC quantitating a polypeptide in tissue, as molecular weight markers and as  
 CC a food supplement. (II) and its binding partners are useful in medical  
 CC imaging of sites expressing (II). (I) and (II) are useful for treating  
 CC disorders involving aberrant protein expression or biological activity.  
 CC The polypeptide and polynucleotide sequences have applications in  
 CC diagnostics, forensics, gene mapping, identification of mutations  
 CC responsible for genetic disorders or other traits to assess biodiversity  
 CC and to produce other types of data and products dependent on DNA and  
 CC amino acid sequences. ABG00010-ABG30377 represent novel human  
 CC diagnostic amino acid sequences of the invention.  
 CC Note: The sequence data for this patent did not appear in the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 564 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 564;  
 Best Local Similarity 45.5%; Pred. No. 4.4e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 237 EEVVPDFSQL 247  
 RESULT 123  
 ABB63003  
 ID ABB63003 standard; Protein; 600 AA.  
 XX  
 AC ABB63003;  
 XX  
 DT 26-MAR-2002 (first entry)  
 XX  
 DE Drosophila melanogaster polypeptide SEQ ID NO 15801.  
 XX  
 KW Drosophila; developmental biology; cell signalling; insecticide;  
 KW pharmaceutical.  
 XX  
 OS Drosophila melanogaster.  
 XX  
 PN WO200171042-A2.  
 XX  
 PD 27-SEP-2001.  
 XX  
 XX 23-MAR-2001; 2001WO-US09231.  
 XX  
 PF 23-MAR-2000; 2000US-191637P.  
 PR 11-JUL-2000; 2000US-0614150.  
 XX  
 XX (PEKE ) PE CORP NY.  
 XX  
 XX Venter JC, Adams M, Li PWD, Myers EW;  
 PI WPI: 2001-656860/75.  
 DR N-PSDB; ABL07106.  
 XX  
 XX New isolated nucleic acid detection reagent for detecting 1000 or more  
 PT genes from Drosophila and for elucidating cell signalling and cell-cell

PT interactions -  
 PS Disclosure; SEQ ID NO 15801; 21pp + Sequence Listing; English.  
 XX  
 CC The invention relates to an isolated nucleic acid detection reagent  
 CC capable of detecting 1000 or more genes from *Drosophila*. The invention is  
 CC useful in developmental biology and in elucidating cell signalling and  
 CC cell-cell interactions in higher eukaryotes for the development of  
 CC insecticides, therapeutics and pharmaceutical drugs. The invention  
 CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
 CC sequences (ABL01840-ABL16175) and the encoded proteins  
 CC (AB57737-AB572072).  
 CC The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 600 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 600;  
 Best Local Similarity 45.5%; Pred. NO. 4.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 10;  
 QY 1 EEVVPXXXXXX 11  
 Db 450 EEVVPYAVALY 460  
 |||||:::;  
 RESULT 124  
 AAE18106  
 ID AAE18106 standard; Protein; 604 AA.  
 AC  
 AC AAE18106;  
 XX  
 XX 07-MAY-2002 (first entry)  
 DT  
 DE Human nucleoside phosphatase molecule (NPM-1) from clone 62088.  
 KW Human; nucleoside phosphatase molecule; NPM-1; cardiovascular disorder;  
 KW lung; breast; ovary; cancer; arteriosclerosis; myocardial infarction;  
 KW ischemia; restenosis; coronary microembolism; tachycardia; bradycardia;  
 KW vascular heart disease; long-QT syndrome; congestive heart failure;  
 KW hypertension; atrial flutter; dilated cardiomyopathy; transgenic animal;  
 KW idiopathic cardiomyopathy; coronary artery disease; arrhythmia; cardiac;  
 KW immunogen; gene therapy; vasotropic; antiinflammatory; hypotensive;  
 KW cyostatic; enzyme.  
 XX  
 OS Homo sapiens.  
 FH Key Location/Qualifiers  
 FT Peptide 1..54  
 FT /label= Signal\_peptide  
 FT Protein 55..604  
 FT /label= Mature\_human\_NPM-1  
 FT Domain 29..47  
 FT /note= "Transmembrane domain"  
 FT Domain 75..536  
 FT /note= "Nucleoside phosphatase family domain"  
 FT Domain 84..102  
 FT /note= "Transmembrane domain"  
 FT Domain 552..570  
 FT /note= "Transmembrane domain"  
 XX  
 PN WO200206326-A2.  
 XX  
 PD 24-JAN-2002.  
 XX  
 XX 16-JUL-2001; 2001WO-US22354.  
 PF  
 PF 23-AUG-2000; 2000US-0540217.  
 XX  
 PR 14-JUL-2000; 2000US-218385P.  
 XX  
 XX (MILL-) MILLENNIUM PHARM INC.  
 PA  
 XX Meyers R;  
 PI

XX  
 DR WPI; 2002-171801/22.  
 DR N-PSDB; AAD29079.  
 XX  
 PT Novel isolated human nucleoside phosphatase-62088 polypeptides, for  
 PT treating cardiovascular disorders including arteriosclerosis, ischemia  
 PT reperfusion injury, restenosis and arterial inflammation -  
 XX  
 PS Claim 13; Fig 2; 110pp; English.  
 XX  
 CC The present invention relates to an isolated human nucleoside phosphatase  
 CC (NPM-1)-62088 polypeptide and its nucleic acid. The NPM-1 modulator is  
 CC useful for treating lung cancer, breast cancer or ovary cancer. NPM-1 is  
 CC useful as diagnostic and therapeutic agents for preventing a disease or  
 CC condition associated with an aberrant or unwanted NPM-1 activity in a  
 CC subject, including cardiovascular disorders, e.g. arteriosclerosis,  
 CC ischemia reperfusion injury, restenosis, arterial inflammation, vascular  
 CC wall remodeling, ventricular remodeling, rapid ventricular pacing,  
 CC coronary microembolism, tachycardia, bradycardia, pressure overload,  
 CC aortic bending, coronary artery ligation, vascular heart disease, atrial  
 CC fibrillation, long-QT syndrome, congestive heart failure, hypertension,  
 CC atrial fibrillation, atrial flutter, dilated cardiomyopathy, idiopathic  
 CC cardiomyopathy, myocardial infarction, coronary artery disease, coronary  
 CC artery spasm and arrhythmia. NPM-1 is useful in screening assays,  
 CC detection assays (e.g. forensic biology) and predictive medicine (e.g.  
 CC diagnostic assays, prognostic assays and monitoring clinical trials and  
 CC pharmacogenomics). NPM-1 is useful as an immunogen to generate antibody.  
 CC NPM-1 gene is useful in gene therapy and in chromosome mapping, to  
 CC identify an individual from a minute biological sample (tissue typing)  
 CC and to aid in forensic identification of the biological sample. NPM-1 is  
 CC useful for producing non-human transgenic animals. The present sequence  
 CC is human NPM-1.  
 XX  
 SQ Sequence 604 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 604;  
 Best Local Similarity 45.5%; Pred. NO. 4.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 592 EEVVPMMGVQV 602  
 |||||:::;  
 RESULT 125  
 ABG08671  
 ID ABG08671 standard; Protein; 608 AA.  
 AC  
 AC ABG08671;  
 XX  
 XX 13-FEB-2002 (first entry)  
 DT  
 DE Novel human diagnostic protein #8662.  
 XX  
 XX Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder.  
 KW Homo sapiens.  
 OS  
 PN WO200175067-A2.  
 XX  
 XX 11-OCT-2001.  
 PD  
 XX  
 XX 30-MAR-2001; 2001WO-US08631.  
 PF  
 XX 31-MAR-2000; 2000US-0540217.  
 PR  
 PR 23-AUG-2000; 2000US-0649167.  
 XX  
 XX (HYSE-) HYSEQ INC.  
 PA  
 XX Drmanac RT, Liu C, Tang YT;  
 PI  
 XX WPI; 2001-639362/73.  
 DR

DR N-PSDB; AAS72858.

XX New isolated polynucleotide and encoded polypeptides, useful in

PT diagnostics, forensics, gene mapping, identification of mutations

PT responsible for genetic disorders or other traits and to assess

PT biodiversity

XX Claim 20; SEQ ID NO 39030; 103pp; English.

XX The invention relates to isolated polynucleotide (I) and

CC polypeptide (II) sequences. (I) is useful as hybridisation probes,

CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome

CC and gene mapping, and in recombinant production of (II). The

CC polynucleotides are also used in diagnostics as expressed sequence tags

CC for identifying expressed genes. (I) is useful in gene therapy techniques

CC to restore normal activity of (II) or to treat disease states involving

CC (II). (II) is useful for generating antibodies against it, detecting or

CC quantitating a polypeptide in tissue, as molecular weight markers and as

CC a food supplement. (II) and its binding partners are useful in medical

CC imaging of sites expressing (II). (I) and (II) are useful for treating

CC disorders involving aberrant protein expression or biological activity.

CC The polypeptide and polynucleotide sequences have applications in

CC diagnostics, forensics, gene mapping, identification of mutations

CC responsible for genetic disorders or other traits to assess biodiversity

CC and to produce other types of data and products dependent on DNA and

CC amino acid sequences. ABG00010-ABG30377 represent novel human

CC diagnostic amino acid sequences of the invention.

CC Note: The sequence data for this patent did not appear in the printed

CC specification, but was obtained in electronic format directly from WIPO

CC at ftp.wipo.int/pub/published\_pot\_sequences.

XX Sequence 608 AA;

Query Match 100.0%; Score 31; DB 22; Length 608;

Best Local Similarity 45.5%; Pred. No. 4.8e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:|:|:|:|:|

DB 318 EEVVPFLKLIF 328

RESULT 126

AAR38888

ID AAR38888 standard; Protein; 622 AA.

XX AAR38888;

AC AAR38888;

XX 25-FEB-1994 (first entry)

DE Sequence encoded by ORF A of the long double-stranded cytoplasmic

DE RNA (L-dsRNA) present in the hypovirulent strain EP713.

XX Hypovirulent; spore; pathogenic fungus; chestnut blight; papain;

KW hypovirulence associated virus; potyvirus; genetic element.

XX Cryphonectria (Endothia) parasitica strain EP713.

OS WO9316170-A.

XX 19-AUG-1993.

PD 03-FEB-1993; 93WO-US01024.

XX 06-FEB-1992; 92US-0832117.

PR (CHOI/) CHOI G H.

PA (NUSS/) NUSS D L.

PI Choi GH, Nuss DL;

XX WPI; 1993-272875/34.

DR N-PSDB; AAQ47380.

XX Fungi and fungal spores or components - modified to confer

PT transmissible hypo-virulent phenotype, useful for controlling

PT fungal diseases, e.g. chestnut blight

XX Claim 22; Fig 1; 69pp; English.

XX Natural strains of *C. parasitica* which are hypovirulent contain a

CC cytoplasmic determinant that is transferred by hyphal anastomosis.

CC The determinant is a ds RNA species which is believed to be of viral

CC origin. The large dsRNA (L-dsRNA) present in hypovirulent *C. parasitica* strain EP713 encodes two large polypeptides (AAR38888, AAR38889) that undergo autoproteolytic processing during translation. The AA sequences of these polypeptides contain five domains with significant similarity to conserved domains within the protein products encoded by members of the potyvirus gp. of +ve strand RNA plant viruses, and a common ancestry is implied. The term hypovirulence-associated virus (HAV) is used to denote this class of genetic element. ORF encodes two polypeptides, p29 and p40, that are released from a polypeptide, p69, by autocatalysis mediated by p29. Cleavage occurs between Gly-248 and Gly-249 during translation and is dependent on residues Cys-162 and His-215. Expression of ORF B also involves an autoproteolytic event in which a 48 kDa polypeptide, designated p48, is released from the N-terminal of the encoded polypeptide. Cleavage of p48 occurs between Gly-418 and Ala-419 and is dependent upon residues Cys-341 and His-388. Both p29 and p48 resemble papain-like proteases. Putative RNA-dependent RNA polymerases and RNA helicase motifs have been located in the C-terminal half of ORF B.

XX Sequence 622 AA;

Query Match 100.0%; Score 31; DB 14; Length 622;

Best Local Similarity 45.5%; Pred. No. 5e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:|:|:|:|:|

DB 31 EEVVPAGCITL 41

RESULT 127

ABB61622

ID ABB61622 standard; Protein; 655 AA.

XX ABB61622;

AC ABB61622;

XX 26-MAR-2002 (first entry)

DE Drosophila melanogaster polypeptide SEQ ID NO 11658.

XX Drosophila; developmental biology; cell signalling; insecticide;

KW pharmaceutical.

XX Drosophila melanogaster.

OS WO200171042-A2.

XX 27-SEP-2001.

XX 23-MAR-2001; 2001WO-US09231.

PF 23-MAR-2000; 2000US-191637P.

XX 11-JUL-2000; 2000US-0614150.

XX (PEKE ) PE CORP NY.

XX Venter JC, Adams M, Li PWD, Myers EW;

PI WPI; 2001-656860/75.

XX N-PSDB; ABL05725.

XX New isolated nucleic acid detection reagent for detecting 1000 or more

PT genes from Drosophila and for elucidating cell signalling and cell-cell  
XX interactions -  
PS Disclosure: SEQ ID NO 11658; 21pp + Sequence Listing; English.  
CC The invention relates to an isolated nucleic acid detection reagent  
CC capable of detecting 1000 or more genes from Drosophila. The invention is  
CC useful in developmental biology and in elucidating cell signalling and  
CC cell-cell interactions in higher eukaryotes for the development of  
CC insecticides, therapeutics and pharmaceutical drugs. The invention  
CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
CC sequences (ABL01840-ABL16175) and the encoded proteins  
CC (ABB57737-ABB72072).  
CC The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 655 AA;  
Query Match 100.0%; Score 31; DB 22; Length 655;  
Best Local Similarity 45.5%; Pred. NO. 5.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
|||||:|:|:  
Db 37 EEVVPVKKKT 47  
RESULT 128  
ID AAR41753 standard; protein; 729 AA.  
XX  
AC AAR41753;  
XX  
DT 29-MAR-1994 (first entry)  
XX  
DE Catalase-R.  
XX  
KW catR gene; A. niger; catalase-R; hydrogen peroxide; oxygen; water;  
KW pH range; shelf life; beef liver catalase; contact lenses.  
XX  
OS Aspergillus niger.  
XX  
PN WO9317721-A.  
XX  
PD 16-SEP-1993.  
XX  
PF 04-MAR-1993; 93WO-US02018.  
XX  
PR 04-MAR-1992; 92US-0845990.  
XX  
PA (GEMV ) GENENCOR INT INC.  
XX  
PI Berka RM, Fowler T, Vaha-Vahe P;  
XX  
DR WPI; 1993-303156/38.  
DR N-PSDB; AAQ48459.  
XX  
PT Cleaning and disinfecting contact lenses - using hydrogen  
PT peroxide soln. and decomposing residue on lenses with reduced  
PT amt. of Aspergillus niger catalase R  
XX  
PS Disclosure: Fig 5; 22pp; English.  
XX  
CC This sequence is encoded by the catR gene of A. niger and represents  
CC the catalase-R protein. This enzyme catalyses the conversion of  
CC hydrogen peroxide to oxygen and water. This enzyme is a soluble  
CC cytoplasmic enzyme which is stable over a wide pH range, has an  
CC extended shelf life and is resistant to deactivation in high  
CC concentrations of hydrogen peroxide. Catalase-R is more effective  
CC than beef liver catalase for neutralisation of concentrated (eg. 3%)  
CC hydrogen peroxide solutions. This catalase may be used in the  
CC cleaning and disinfecting of contact lenses.

XX SQ Sequence 729 AA;  
Query Match 100.0%; Score 31; DB 14; Length 729;  
Best Local Similarity 45.5%; Pred. NO. 5.9e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
|||||:|:|:  
Db 338 EEVVPYPLGM 348  
RESULT 129  
ID AAR41543 standard; Protein; 730 AA.  
XX  
AC AAR41543;  
XX  
DT 17-MAR-1994 (first entry)  
XX  
DE Aspergillus niger catalase R.  
XX  
KW Aspergillus niger; catalase; catR; hydrogen peroxide.  
XX  
OS Aspergillus niger.  
XX  
FH Key Location/Qualifiers  
FT Peptide 234..246  
FT /label= Peptide 1.  
FT /note= "Deduced amino acid sequence corresponding  
FT to a peptide sequenced directly from the  
FT catalase-R protein."  
FT Peptide 246..257  
FT /label= Peptide 5.  
FT /note= "Deduced amino acid sequence corresponding  
FT to a peptide sequenced directly from the  
FT catalase-R protein."  
FT Peptide 448..467  
FT /label= Peptide 4.  
FT /note= "Deduced amino acid sequence corresponding  
FT to a peptide sequenced directly from the  
FT catalase-R protein."  
FT Peptide 487..499  
FT /label= Peptide 3.  
FT /note= "Deduced amino acid sequence corresponding  
FT to a peptide sequenced directly from the  
FT catalase-R protein."  
FT Peptide 499..519  
FT /label= Peptide 2.  
FT /note= "Deduced amino acid sequence corresponding  
FT to a peptide sequenced directly from the  
FT catalase-R protein."  
XX  
PN WO9318166-A.  
XX  
PD 16-SEP-1993.  
XX  
PF 04-MAR-1993; 93WO-US02020.  
XX  
PR 04-MAR-1992; 92US-0845989.  
PR 04-MAR-1992; 92US-0846181.  
XX  
PA (GEMV ) GENENCOR INT INC.  
XX  
PI Berka RM, Fowler T, Rey MW;  
XX  
DR WPI; 1993-303480/38.  
DR N-PSDB; Q46248.  
XX  
PT Aspergillus niger catR gene sequence - from which catR promoter  
PT has been deleted and Aspergillus glucoamylase promoter gene has  
PT been inserted  
XX

PS Disclosure; Figure 2; 43pp; English.

XX The Aspergillus niger catr gene was identified and isolated. The  
CC native promoter of the gene was removed and replaced with the  
CC Aspergillus glucoamylase promoter gene. This modification allows  
CC increased expression of the catr gene without the need to supply  
CC hydrogen peroxide to induce expression. Cells into which this  
CC construct is inserted preferably have the glucose oxidase gene  
CC (goxA) deleted. This deletion minimises the generation of  
CC gluconate waste material and the use of waste treatment processes.

XX Sequence 730 AA;

Query Match 100.0%; Score 31; DB 14; Length 730;

Best Local Similarity 45.5%; Pred. No. 5.9e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:::

Db 339 EEVVPYPLGM 349

RESULT 130

AAM93207

ID AAM93207 standard; Protein; 739 AA.

XX AC AAM93207;

XX DT 06-NOV-2001 (first entry)

XX DE Human polypeptide, SEQ ID NO: 2601.

XX KW Human; full length cDNA; cDNA synthesis; oligo-capping.

XX OS Homo sapiens.

XX PN EP1130094-A2.

XX PD 05-SEP-2001.

XX PF 07-JUL-2000; 2000EP-0114089.

XX PR 08-JUL-1999; 99JP-0194486.

XX PR 11-JAN-2000; 2000JP-0118774.

XX PR 02-MAY-2000; 2000JP-0183765.

XX PA (HELI-) HELIX RES INST.

XX PI Ota T, Nishikawa T, Isogai T, Hayashi K, Ishii S, Kawai Y;

XX PI Wakamatsu A, Sugiyama T, Nagai K, Kojima S, Otsuki T, Koga H;

XX DR WPI: 2001-524255/58.

XX DR N-PSDB; AAK94115.

XX PT 830 Primers useful for synthesizing full length cDNA clones and their

XX PT use in genetic manipulation -

XX PS Disclosure; SEQ ID NO 2601; 1380pp + sequence listing; English.

XX CC The invention relates to primers for synthesizing full length cDNA  
CC clones. 830 cDNA molecules encoding a human protein have been  
CC isolated and nucleotide sequences of 5'- and 3'-ends of the cDNA  
CC molecules have been determined. Primers for synthesizing the full length  
CC cDNA are useful for clarifying the function of the protein encoded by  
CC the cDNA. The full length clones were obtained by construction of full  
CC length enriched cDNA libraries that were synthesised by the oligo-capping  
CC method. The primers enable the production of the full length cDNA easily  
CC without any special methods. The present sequence is a polypeptide  
CC provided in the specification.

CC Note: The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in CD-ROM format directly from EPO.

XX Sequence 739 AA;

SQ

Query Match 100.0%; Score 31; DB 22; Length 739;

Best Local Similarity 45.5%; Pred. No. 6e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:::

Db 568 EEVVPNVIEPS 578

RESULT 131

AAM40225

ID AAM40225 standard; Protein; 748 AA.

XX AC AAM40225;

XX DT 22-OCT-2001 (first entry)

XX DE Human polypeptide SEQ ID NO 3370.

XX KW Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer;  
KW peripheral nervous system; neuropathy; central nervous system; CNS;  
KW Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic;  
KW amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic;  
KW chemokinetic; thrombolytic; drug screening; arthritis; inflammation;  
KW leukaemia.

XX OS Homo sapiens.

XX PN WO200153312-A1.

XX PD 26-JUL-2001.

XX PF 26-DEC-2000; 2000WO-US34263.

XX PR 21-JAN-2000; 2000US-0488725.

XX PR 25-APR-2000; 2000US-0552317.

XX PR 09-JUL-2000; 2000US-0598042.

XX PR 19-JUL-2000; 2000US-0620312.

XX PR 03-AUG-2000; 2000US-0653450.

XX PR 14-SEP-2000; 2000US-0662191.

XX PR 19-OCT-2000; 2000US-0693036.

XX PR 29-NOV-2000; 2000US-0727344.

XX PA (HYSE-) HYSEQ INC.

XX PI Tang YT, Liu C, Asundi V, Chen R, Ma Y, Qian XB, Ren F, Wang D;

XX PI Wang J, Wang Z, Wehrman T, Xu C, Xue AJ, Yang Y, Zhang J;

XX PI Zhao QA, Zhou P, Goodrich R, Drmanac RT;

XX DR WPI: 2001-442253/47.

XX DR N-PSDB; AAI59381.

XX PT Novel nucleic acids and polypeptides, useful for treating disorders

XX PT such as central nervous system injuries -

XX PS Example 5; SEQ ID NO 3370; 10078pp; English.

XX CC The invention relates to human nucleic acids (AAI57798-AAI61369) and  
CC the encoded polypeptides (AAM38642-AAAM42213) with nootropic,  
CC immunosuppressant and cytostatic activity. The polynucleotides are useful  
CC in gene therapy. A composition containing a polypeptide or polynucleotide  
CC of the invention may be used to treat diseases of the peripheral nervous  
CC system, such as peripheral nervous injuries, peripheral neuropathy and  
CC localised neuropathies and central nervous system diseases, such as  
CC Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic  
CC lateral sclerosis, and Shy-Drager Syndrome. Other uses include the  
CC utilisation of the activities such as: Immune system suppression.

CC Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic  
CC and thrombolytic activity, cancer diagnosis and therapy, drug screening,  
CC assays for receptor activity, arthritis and inflammation, leukaemias and  
CC C.N.S disorders.

CC Note: The sequence data for this patent did not form part of the printed

CC specification.  
XX SQ Sequence 748 AA;  
Query Match 100.0%; Score 31; DB 22; Length 748;  
Best Local Similarity 45.5%; Pred. No. 6.1e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 127 EEVPGMDFFG 137  
RESULT 132  
ABG04875  
ID ABG04875 standard; Protein; 755 AA.  
XX AC  
XX ABG04875;  
XX DT 13-FEB-2002 (first entry)  
XX DE  
XX Novel human diagnostic protein #4866.  
XX Human; chromosome mapping; gene mapping; gene therapy; forensic;  
KW food supplement; medical imaging; diagnostic; genetic disorder.  
KW Homo sapiens.  
OS  
XX WO200175067-A2.  
XX PN  
XX 11-OCT-2001.  
XX PD  
XX PF 30-MAR-2001; 2001WO-US08631.  
XX PR 31-MAR-2000; 2000US-0540217.  
XX PR 23-AUG-2000; 2000US-0649167.  
XX PA (HYSE-) HYSEQ INC.  
XX PI  
XX Drmanac RT, Liu C, Tang YT;  
XX WPI; 2001-639362/73.  
XX N-PSDB; AAS69062.  
XX New isolated polynucleotide and encoded polypeptides, useful in  
PT diagnostics, forensics, gene mapping, identification of mutations  
PT responsible for genetic disorders or other traits and to assess  
PT biodiversity  
PS Claim 20; SEQ ID NO 35234; 103pp; English.  
XX The invention relates to isolated polynucleotide (I) and  
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
CC and gene mapping, and in recombinant production of (II). The  
CC polynucleotides are also used in diagnostics as expressed sequence tags  
CC for identifying expressed genes. (I) is useful in gene therapy techniques  
CC to restore normal activity of (II) or to treat disease states involving  
CC (II). (II) is useful for generating antibodies against it, detecting or  
CC quantitating a polypeptide in tissue, as molecular weight markers and as  
CC a food supplement. (II) and its binding partners are useful in medical  
CC imaging of sites expressing (II). (I) and (II) are useful for treating  
CC disorders involving aberrant protein expression or biological activity.  
CC The polypeptide and polynucleotide sequences have applications in  
CC diagnostics, forensics, gene mapping, identification of mutations  
CC responsible for genetic disorders or other traits to assess biodiversity  
CC and to produce other types of data and products dependent on DNA and  
CC amino acid sequences. ABG00010-ABG30377 represent novel human  
CC diagnostic amino acid sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.

SQ Sequence 755 AA;  
Query Match 100.0%; Score 31; DB 22; Length 755;  
Best Local Similarity 45.5%; Pred. No. 6.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 669 EEVVPDLLKLF 679  
RESULT 133  
ABB70099  
ID ABB70099 standard; Protein; 765 AA.  
XX AC  
XX ABB70099;  
XX DT 26-MAR-2002 (first entry)  
XX DE  
XX Drosophila melanogaster polypeptide SEQ ID NO 37089.  
XX KW Drosophila; developmental biology; cell signalling; insecticide;  
KW pharmaceutical.  
XX OS Drosophila melanogaster.  
XX PN WO200171042-A2.  
XX XX 27-SEP-2001.  
XX PF 23-MAR-2001; 2001WO-US09231.  
XX PR 23-MAR-2000; 2000US-191637P.  
XX PR 11-JUL-2000; 2000US-0614150.  
XX PA (PEKE ) PE CORP NY.  
XX PI  
XX Venter JC, Adams M, Li PWD, Myers EW;  
XX WPI; 2001-656860/75.  
XX DR N-PSDB; ABL14202.  
XX New isolated nucleic acid detection reagent for detecting 1000 or more  
PT genes from Drosophila and for elucidating cell signalling and cell-cell  
PT interactions  
XX PS Disclosure; SEQ ID NO 37089; 2lpp + Sequence Listing; English.  
XX The invention relates to an isolated nucleic acid detection reagent  
CC capable of detecting 1000 or more genes from Drosophila. The invention is  
CC useful in developmental biology and in elucidating cell signalling and  
CC cell-cell interactions in higher eukaryotes for the development of  
CC insecticides, therapeutics and pharmaceutical drugs. The invention  
CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
CC sequences (ABL01840-ABL16175) and the encoded proteins  
CC (AB57737-AB572072).  
CC The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX SQ Sequence 765 AA;  
Query Match 100.0%; Score 31; DB 22; Length 765;  
Best Local Similarity 45.5%; Pred. No. 6.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 593 EEVPPDFYDS 603  
RESULT 134  
AAB43831



ID AAB43831 standard; Protein; 766 AA.  
 AC AAB43831;  
 XX 08-FEB-2001 (first entry)  
 DT Human cancer associated protein séquence SEQ ID NO:1276.  
 XX  
 DE Human; cancer associated gene; cancer antigen; detection; cancer;  
 KW diagnosis; cytostatic; proliferative; vulnery; immunomodulator;  
 KW antidiabetic; antisthmatic; antirheumatic; antiarthritic; antiviral;  
 KW dermatological; antihypertensive; antiallergic; antibacterial; cardiant;  
 KW vasotropic; antiproliferative; thrombolytic; coagulant; nootropic;  
 KW immune disorder; antiproliferative; antihypertensive; inflammation;  
 KW allergic reaction; haematopoietic cell disorder; autoimmune disorder;  
 KW haemostatic; thrombolytic; cardiovascular disorder; infection;  
 KW neurological disease; drug screening.  
 XX  
 OS Homo sapiens.  
 XX WO200055350-A1.  
 PN 21-SEP-2000.  
 PD 08-MAR-2000; 2000WO-US05882.  
 XX 12-MAR-1999; 99US-0124270.  
 PR (HUMA-) HUMAN GENOME SCI INC.  
 XX Rosen CA, Ruben SM;  
 XX WPI: 2000-587533/55.  
 DR N-PSDB; AAC78040.  
 XX  
 PT Novel isolated nucleic acids comprising sequences encoding peptides  
 PT useful for treating or diagnosing e.g. cancer -  
 XX  
 PS Claim 11; Page 1911-1913; 2352pp; English.  
 XX AAC77607 to AAC78448 encode the human cancer associated proteins given  
 CC in AAB43398 to AAB44239. The proteins can have activities based on the  
 CC tissues and cells the genes are expressed in. Example of activities  
 CC include: cytostatic; proliferative; vulnery; immunomodulator;  
 CC antidiabetic; antisthmatic; antirheumatic; antiarthritic;  
 CC antiinflammatory; antihypertensive; antiallergic; antibacterial; antiviral;  
 CC dermatological; neuroprotective; cardiant; thrombolytic; coagulant;  
 CC nootropic; vasotropic; antiproliferative and antihypertensive. The  
 CC polynucleotides and polypeptides can be used for preventing, treating or  
 CC ameliorating medical conditions and diagnosing pathological conditions.  
 CC Polynucleotides, polypeptides, antibodies, agonists and antagonists from  
 CC the present invention may be used to treat immune disorders by activating  
 CC or inhibiting the proliferation, differentiation or mobilisation of  
 CC immune cells, to treat disorders of haematopoietic cells, autoimmune  
 CC disorders, allergic reactions, graft versus host disease and organ  
 CC rejection, modulate haemostatic or thrombolytic activity, modulate  
 CC inflammation, cancers, cardiovascular disorders, neurological disease and  
 CC bacterial or viral infections. The peptides, nucleotides, antibodies,  
 CC agonists and antagonists may be also be used in drug screens. AAC78449 to  
 CC AAC78457 and AAB44240 represent sequences used in the exemplification of  
 CC the present invention.  
 XX  
 SQ Sequence 766 AA;  
 Query Match 100.0%; Score 31; DB 21; Length 766;  
 Best Local Similarity 45.5%; Pred. No. 6.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPVXXXXX 11  
 |||||.....  
 Db 595 EEVVPNVIEFS 605

RESULT 135  
 ABB41543  
 ID ABB41543 standard; Protein; 766 AA.  
 XX  
 AC ABB41543;  
 XX 22-AUG-2002 (first entry)  
 DT Human ovarian antigen HPC7Y73, SEQ ID NO:2675.  
 XX  
 DE Human; ovarian antigen; ovary; ovarian; breast; cancer; tumour;  
 KW ovarian cancer; breast cancer; tumour; reproductive system disorder;  
 KW infertility; pregnancy disorder; anovulation; polycystic ovary syndrome;  
 KW PCOS; ovarian cyst; dysmenorrhea; endocrine disorder; infection;  
 KW inflammatory condition; immune disorder; blood disorder;  
 KW cardiovascular disorder; respiratory disorder; neurological disorder;  
 KW gastrointestinal disorder; urinary system disorder; drug screening;  
 KW gene therapy; chromosome mapping; forensic analysis;  
 KW antibody preparation; cytostatic; immunomodulatory; neuroprotective;  
 KW antiinflammatory; gynaecological; reproductive; chromosome 7p15.  
 XX  
 OS Homo sapiens.  
 XX WO200200677-A1.  
 PN 03-JAN-2002.  
 PD 07-JUN-2001; 2001WO-US18569.  
 XX 07-JUN-2000; 2000US-209467P.  
 PR (HUMA-) HUMAN GENOME SCI INC.  
 XX Birse CE, Rosen CA;  
 XX WPI: 2002-147878/19.  
 DR N-PSDB; ABB41543.  
 XX  
 PT Isolated nucleic acid molecules encoding novel ovarian polypeptides,  
 PT useful in the prevention, treatment and diagnosis of cancer (e.g.  
 PT ovarian cancer), immune disorders, cardiovascular disorders and  
 PT neurological diseases -  
 XX  
 PS Claim 11; SEQ ID No 2675; 2922pp; English.  
 XX The invention relates to 2175 novel human ovarian antigens (ABB41054 -  
 CC ABB43228) and to cDNAs encoding them (ABB4131-ABB456305), and also  
 CC encompasses polypeptides 90% identical and polynucleotides 95% identical  
 CC to the sequences of the invention. The invention additionally relates to  
 CC recombinant vectors and host cells comprising human ovarian antigen  
 CC polynucleotides, antibodies against human ovarian antigens, and the use  
 CC of ovarian antigen polynucleotides and polypeptides in diagnosing,  
 CC treating, prognosing or preventing various ovary and/or breast-related  
 CC disorders. Such conditions include ovarian cancer and breast cancer, and  
 CC metastatic tumours of ovarian or breast origin, reproductive system  
 CC disorders (e.g., infertility, disorders of pregnancy, anovulation,  
 CC polycystic ovary syndrome, ovarian cysts, and dysmenorrhea), endocrine  
 CC disorders, infections (e.g., chlamydia, HIV, toxoplasmosis, and toxic  
 CC shock syndrome), inflammatory conditions (e.g., mastitis, oophoritis and  
 CC vaginitis), immune disorders (e.g., congenital and acquired  
 CC immunodeficiencies, autoimmune oophoritis, systemic lupus erythematosus),  
 CC blood-related disorders (e.g., anaemia), cardiovascular disorders,  
 CC respiratory disorders, neurological disorders, gastrointestinal disorders  
 CC and urinary system disorders. Ovarian antigen polypeptides and  
 CC polynucleotides may also be used in screening for compounds which  
 CC modulate ovarian antigen expression or activity. The polynucleotides may  
 CC further be used for gene therapy, chromosome mapping, in the  
 CC identification of individuals and in forensic analysis, and the  
 CC polypeptides may be used as food additives or to prepare antibodies  
 CC useful in disease diagnosis, drug targeting and phenotyping. The present  
 CC sequence represents a human ovarian antigen of the invention.  
 CC Note: The sequence data for this patent did not form part of the printed

531 EEVPAVSATS 541

AC ABG06046;

531 EEVPAVSATS 541

DT 13-FEB-2002 (first entry)  
 XX Novel human diagnostic protein #6037.  
 DE Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 DE food supplement; medical imaging; diagnostic; genetic disorder.  
 KW Homo sapiens.  
 KW WO200175067-A2.  
 OS 11-OCT-2001.  
 XX 30-MAR-2001; 2001WO-US08631.  
 PN 31-MAR-2000; 2000US-0540217.  
 PD 23-AUG-2000; 2000US-0649167.  
 XX (HYSE-) HYSEQ INC.  
 XX Drmanac RT, Liu C, Tang YT;  
 PI WPI; 2001-639362/73.  
 DR N-PSDB; AAS70233.  
 XX New isolated polynucleotide and encoded polypeptides, useful in  
 XX diagnostics, forensics, gene mapping, identification of mutations  
 XX responsible for genetic disorders or other traits and to assess  
 XX biodiversity -  
 XX Claim 20; SEQ ID NO 36405; 103pp; English.  
 XX The invention relates to isolated polynucleotide (I) and  
 XX polypeptide (II) sequences. (I) is useful as hybridisation probes,  
 XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
 XX and gene mapping, and in recombinant production of (II). The  
 XX polynucleotides are also used in diagnostics as expressed sequence tags  
 XX for identifying expressed genes. (I) is useful in gene therapy techniques  
 XX to restore normal activity of (II) or to treat disease states involving  
 XX quantitating a polypeptide in tissue, as molecular weight markers and as  
 XX imaging of sites expressing (II). (I) and (II) are useful for treating  
 XX disorders involving aberrant protein expression or biological activity.  
 XX The polypeptide and polynucleotide sequences have applications in  
 XX diagnostics, forensics, gene mapping, identification of mutations  
 XX responsible for genetic disorders or other traits to assess biodiversity  
 XX and to produce other types of data and products dependent on DNA and  
 XX amino acid sequences. ABG00010-ABG30377 represent novel human  
 XX diagnostic amino acid sequences of the invention.  
 XX Note: The sequence data for this patent did not appear in the printed  
 XX specification, but was obtained in electronic format directly from WIPO  
 XX at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX Sequence 882 AA;  
 SQ Query Match 100.0%; Score 31; DB 22; Length 882;  
 Best Local Similarity 45.5%; Pred. No. 7.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||:||||:  
 Db 531 EEVVPETPCEI 541  
 RESULT 139  
 ABG23361  
 ID ABG23361 standard; Protein: 887 AA.  
 XX AC ABG23361;  
 XX DT 18-FEB-2002 (first entry)  
 XX Drosophila melanogaster polypeptide SEQ ID NO 273.

DE Novel human diagnostic protein #23352.  
 XX Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder.  
 XX Homo sapiens.  
 XX WO200175067-A2.  
 OS 11-OCT-2001.  
 XX 30-MAR-2001; 2001WO-US08631.  
 PN 31-MAR-2000; 2000US-0540217.  
 PD 23-AUG-2000; 2000US-0649167.  
 XX (HYSE-) HYSEQ INC.  
 XX Drmanac RT, Liu C, Tang YT;  
 PI WPI; 2001-639362/73.  
 DR N-PSDB; AAS87548.  
 XX New isolated polynucleotide and encoded polypeptides, useful in  
 XX diagnostics, forensics, gene mapping, identification of mutations  
 XX responsible for genetic disorders or other traits and to assess  
 XX biodiversity -  
 XX Claim 20; SEQ ID NO 53720; 103pp; English.  
 XX The invention relates to isolated polynucleotide (I) and  
 XX polypeptide (II) sequences. (I) is useful as hybridisation probes,  
 XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
 XX and gene mapping, and in recombinant production of (II). The  
 XX polynucleotides are also used in diagnostics as expressed sequence tags  
 XX for identifying expressed genes. (I) is useful in gene therapy techniques  
 XX to restore normal activity of (II) or to treat disease states involving  
 XX quantitating a polypeptide in tissue, as molecular weight markers and as  
 XX imaging of sites expressing (II). (I) and (II) are useful for treating  
 XX disorders involving aberrant protein expression or biological activity.  
 XX The polypeptide and polynucleotide sequences have applications in  
 XX diagnostics, forensics, gene mapping, identification of mutations  
 XX responsible for genetic disorders or other traits to assess biodiversity  
 XX and to produce other types of data and products dependent on DNA and  
 XX amino acid sequences. ABG00010-ABG30377 represent novel human  
 XX diagnostic amino acid sequences of the invention.  
 XX Note: The sequence data for this patent did not appear in the printed  
 XX specification, but was obtained in electronic format directly from WIPO  
 XX at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX Sequence 887 AA;  
 SQ Query Match 100.0%; Score 31; DB 22; Length 887;  
 Best Local Similarity 45.5%; Pred. No. 7.4e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||:||||:  
 Db 531 EEVVPETPCEI 541  
 RESULT 140  
 ABB57827  
 ID ABB57827 standard; Protein: 905 AA.  
 XX AC ABB57827;  
 XX DT 26-MAR-2002 (first entry)  
 XX Drosophila melanogaster polypeptide SEQ ID NO 273.



XX The invention relates to an isolated nucleic acid detection reagent  
 CC capable of detecting 1000 or more genes from Drosophila. The invention is  
 CC useful in developmental biology and in elucidating cell signalling and  
 CC cell-cell interactions in higher eukaryotes for the development of  
 CC insecticides, therapeutics and pharmaceutical drugs. The invention  
 CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
 CC sequences (ABL01840-ABL16175) and the encoded proteins  
 CC (ABB57737-ABB72072).  
 CC The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX SQ Sequence 941 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 941;  
 Best Local Similarity 45.5%; Pred. No. 7.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 168 EEVVPGRINN 178  
 RESULT 143  
 ABB63928  
 ID ABB63928 standard; Protein; 941 AA.  
 XX  
 AC ABB63928;  
 XX  
 DT 26-MAR-2002 (first entry)  
 XX  
 DE Drosophila melanogaster polypeptide SEQ ID NO 18576.  
 XX  
 KW Drosophila; developmental biology; cell signalling; insecticide;  
 KW pharmaceutical.  
 XX  
 OS Drosophila melanogaster.  
 XX  
 PN W0200171042-A2.  
 XX  
 PD 27-SEP-2001.  
 XX  
 PF 23-MAR-2001; 2001WO-US09231.  
 XX  
 PR 23-MAR-2000; 2000US-191637P.  
 PR 11-JUL-2000; 2000US-0614150.  
 XX  
 PA (PEKE ) PE CORP NY.  
 XX  
 PI Venter JC, Adams M, Li PWD, Myers EW;  
 XX  
 DR WPI: 2001-656860/75.  
 DR N-PSDB; ABL08031.  
 XX  
 PT New isolated nucleic acid detection reagent for detecting 1000 or more  
 PT genes from Drosophila and for elucidating cell signalling and cell-cell  
 PT interactions -  
 XX  
 PS Disclosure; SEQ ID NO 18576; 2lpp + Sequence Listing; English.  
 XX  
 CC The invention relates to an isolated nucleic acid detection reagent  
 CC capable of detecting 1000 or more genes from Drosophila. The invention is  
 CC useful in developmental biology and in elucidating cell signalling and  
 CC cell-cell interactions in higher eukaryotes for the development of  
 CC insecticides, therapeutics and pharmaceutical drugs. The invention  
 CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
 CC sequences (ABL01840-ABL16175) and the encoded proteins  
 CC (ABB57737-ABB72072).  
 CC The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX

SQ Sequence 941 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 941;  
 Best Local Similarity 45.5%; Pred. No. 7.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 168 EEVVPGRINN 178  
 RESULT 144  
 AAG38945  
 ID AAG38945 standard; Protein; 1004 AA.  
 XX  
 AC AAG38945;  
 XX  
 DT 18-OCT-2000 (first entry)  
 XX  
 DE Arabidopsis thaliana protein fragment SEQ ID NO: 48119.  
 XX  
 KW Protein identification; signal transduction pathway; metabolic pathway;  
 KW hybridisation assay; genetic mapping; gene expression control; promoter;  
 KW termination sequence.  
 XX  
 OS Arabidopsis thaliana.  
 XX  
 PN EP1033405-A2.  
 XX  
 PD 06-SEP-2000.  
 XX  
 PF 25-FEB-2000; 2000EP-0301439.  
 XX  
 PR 25-FEB-1999; 99US-0121825.  
 PR 05-MAR-1999; 99US-0123180.  
 PR 09-MAR-1999; 99US-0123548.  
 PR 23-MAR-1999; 99US-0125788.  
 PR 25-MAR-1999; 99US-0126264.  
 PR 29-MAR-1999; 99US-0126785.  
 PR 01-APR-1999; 99US-0127462.  
 PR 06-APR-1999; 99US-0128234.  
 PR 08-APR-1999; 99US-0128714.  
 PR 16-APR-1999; 99US-0129845.  
 PR 19-APR-1999; 99US-0130077.  
 PR 21-APR-1999; 99US-0130449.  
 PR 23-APR-1999; 99US-0130510.  
 PR 28-APR-1999; 99US-0130891.  
 PR 30-APR-1999; 99US-0131449.  
 PR 30-APR-1999; 99US-0132048.  
 PR 04-MAY-1999; 99US-0132407.  
 PR 05-MAY-1999; 99US-0132484.  
 PR 06-MAY-1999; 99US-0132485.  
 PR 06-MAY-1999; 99US-0132486.  
 PR 07-MAY-1999; 99US-0132487.  
 PR 11-MAY-1999; 99US-0132863.  
 PR 14-MAY-1999; 99US-0134256.  
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 PR 18-MAY-1999; 99US-0134768.  
 PR 19-MAY-1999; 99US-0134941.  
 PR 20-MAY-1999; 99US-0135124.  
 PR 21-MAY-1999; 99US-0135353.  
 PR 24-MAY-1999; 99US-0135629.  
 PR 25-MAY-1999; 99US-0136021.  
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 PR 28-MAY-1999; 99US-0136782.  
 PR 03-JUN-1999; 99US-0137222.  
 PR 03-JUN-1999; 99US-0137528.  
 PR 04-JUN-1999; 99US-0137502.  
 PR 07-JUN-1999; 99US-0137724.  
 PR 08-JUN-1999; 99US-0138094.

PR 10-JUN-1999; 99US-0138540.  
PR 10-JUN-1999; 99US-0138847.  
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PR 16-JUN-1999; 99US-0139452.  
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PR 17-JUN-1999; 99US-0139492.  
PR 17-JUN-1999; 99US-0139454.  
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PR 18-JUN-1999; 99US-0139458.  
PR 18-JUN-1999; 99US-0139459.  
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PR 18-JUN-1999; 99US-0139763.  
PR 21-JUN-1999; 99US-0139817.  
PR 21-JUN-1999; 99US-0139819.  
PR 23-JUN-1999; 99US-0139899.  
PR 23-JUN-1999; 99US-0140353.  
PR 23-JUN-1999; 99US-0140354.  
PR 24-JUN-1999; 99US-0140693.  
PR 28-JUN-1999; 99US-0140823.  
PR 29-JUN-1999; 99US-0140991.  
PR 30-JUN-1999; 99US-0141287.  
PR 01-JUL-1999; 99US-0141844.  
PR 01-JUL-1999; 99US-0142154.  
PR 02-JUL-1999; 99US-0142055.  
PR 06-JUL-1999; 99US-0142390.  
PR 08-JUL-1999; 99US-0142803.  
PR 09-JUL-1999; 99US-0142920.  
PR 12-JUL-1999; 99US-0142977.  
PR 13-JUL-1999; 99US-0143542.  
PR 14-JUL-1999; 99US-0143624.  
PR 15-JUL-1999; 99US-0144005.  
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PR 16-JUL-1999; 99US-0144086.  
PR 19-JUL-1999; 99US-0144325.  
PR 19-JUL-1999; 99US-0144331.  
PR 19-JUL-1999; 99US-0144332.  
PR 19-JUL-1999; 99US-0144333.  
PR 19-JUL-1999; 99US-0144334.  
PR 19-JUL-1999; 99US-0144335.  
PR 20-JUL-1999; 99US-0144352.  
PR 20-JUL-1999; 99US-0144632.  
PR 20-JUL-1999; 99US-0144884.  
PR 21-JUL-1999; 99US-0144814.  
PR 21-JUL-1999; 99US-0145086.  
PR 21-JUL-1999; 99US-0145088.  
PR 22-JUL-1999; 99US-0145085.  
PR 22-JUL-1999; 99US-0145087.  
PR 22-JUL-1999; 99US-0145089.  
PR 22-JUL-1999; 99US-0145192.  
PR 23-JUL-1999; 99US-0145145.  
PR 23-JUL-1999; 99US-0145218.  
PR 23-JUL-1999; 99US-0145224.  
PR 26-JUL-1999; 99US-0145276.  
PR 27-JUL-1999; 99US-0145913.  
PR 27-JUL-1999; 99US-0145918.  
PR 27-JUL-1999; 99US-0145919.  
PR 28-JUL-1999; 99US-0145921.  
PR 02-AUG-1999; 99US-0146386.  
PR 02-AUG-1999; 99US-0146388.  
PR 03-AUG-1999; 99US-0146389.  
PR 03-AUG-1999; 99US-0147038.  
PR 04-AUG-1999; 99US-0147204.  
PR 04-AUG-1999; 99US-0147302.  
PR 05-AUG-1999; 99US-0147192.  
PR 05-AUG-1999; 99US-0147260.  
PR 06-AUG-1999; 99US-0147303.  
PR 06-AUG-1999; 99US-0147416.  
PR 09-AUG-1999; 99US-0147493.

PR 09-AUG-1999; 99US-0147935.  
PR 10-AUG-1999; 99US-0148171.  
PR 11-AUG-1999; 99US-0148319.  
PR 12-AUG-1999; 99US-0148341.  
PR 13-AUG-1999; 99US-0148565.  
PR 13-AUG-1999; 99US-0148684.  
PR 16-AUG-1999; 99US-0149368.  
PR 17-AUG-1999; 99US-0149175.  
PR 18-AUG-1999; 99US-0149426.  
PR 20-AUG-1999; 99US-0149722.  
PR 20-AUG-1999; 99US-0149723.  
PR 20-AUG-1999; 99US-0149929.  
PR 23-AUG-1999; 99US-0149902.  
PR 23-AUG-1999; 99US-0149930.  
PR 25-AUG-1999; 99US-0150566.  
PR 26-AUG-1999; 99US-0150884.  
PR 27-AUG-1999; 99US-0151065.  
PR 27-AUG-1999; 99US-0151066.  
PR 30-AUG-1999; 99US-0151080.  
PR 30-AUG-1999; 99US-0151303.  
PR 31-AUG-1999; 99US-0151438.  
PR 01-SEP-1999; 99US-0151930.  
PR 07-SEP-1999; 99US-0152363.  
PR 10-SEP-1999; 99US-0153070.  
PR 13-SEP-1999; 99US-0153758.  
PR 16-SEP-1999; 99US-0154018.  
PR 16-SEP-1999; 99US-0154039.  
PR 20-SEP-1999; 99US-0154779.  
PR 22-SEP-1999; 99US-0155139.  
PR 23-SEP-1999; 99US-0155486.  
PR 24-SEP-1999; 99US-0155659.  
PR 28-SEP-1999; 99US-0156458.  
PR 29-SEP-1999; 99US-0156596.  
PR 04-OCT-1999; 99US-0157117.  
PR 05-OCT-1999; 99US-0157753.  
PR 06-OCT-1999; 99US-0157865.  
PR 07-OCT-1999; 99US-0158029.  
PR 08-OCT-1999; 99US-0158232.  
PR 12-OCT-1999; 99US-0158369.  
PR 13-OCT-1999; 99US-0159293.  
PR 13-OCT-1999; 99US-0159294.  
PR 13-OCT-1999; 99US-0159295.  
PR 14-OCT-1999; 99US-0159329.  
PR 14-OCT-1999; 99US-0159330.  
PR 14-OCT-1999; 99US-0159331.  
PR 14-OCT-1999; 99US-0159637.  
PR 18-OCT-1999; 99US-0159638.  
PR 18-OCT-1999; 99US-0159584.  
PR 21-OCT-1999; 99US-0160741.  
PR 21-OCT-1999; 99US-0160767.  
PR 21-OCT-1999; 99US-0160768.  
PR 21-OCT-1999; 99US-0160770.  
PR 21-OCT-1999; 99US-0160814.  
PR 22-OCT-1999; 99US-0160815.  
PR 22-OCT-1999; 99US-0160980.  
PR 22-OCT-1999; 99US-0160981.  
PR 22-OCT-1999; 99US-0160989.  
PR 25-OCT-1999; 99US-0161404.  
PR 25-OCT-1999; 99US-0161405.  
PR 25-OCT-1999; 99US-0161406.  
PR 26-OCT-1999; 99US-0161359.  
PR 26-OCT-1999; 99US-0161360.  
PR 26-OCT-1999; 99US-0161361.  
PR 28-OCT-1999; 99US-0161920.  
PR 28-OCT-1999; 99US-0161992.  
PR 28-OCT-1999; 99US-0161993.  
PR 29-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 31; DB 21; Length 1004;  
Best Local Similarity 45.5%; Pred. No. 8.4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEWFPXXXXX 11

Best Local Similarity 45.5%; Pred. No. 9.1e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Db 235 EEVPPIPETK 245

RESULT 145  
AAU14378  
ID AAU14378 standard; Protein; 1070 AA.

XX AC AAU14378;  
XX DT 24-OCT-2001 (first entry)  
XX DE Human novel protein #249.

XX KW Human; novel protein; Antianaemic; osteopathic; antiinflammatory;  
KW immunomodulatory; cytostatic; neuroprotective; vulnery; nootropic;  
KW anticonvulsant; antiarthritic; cerebroprotective; antifungal; antiviral;  
KW antibacterial; antiallergic; dermatological; haemostatic; antiasthmatic;  
KW thrombolytic; immunogen; antibody; gene therapy; neurological disorder;  
KW Parkinson's disease; inflammatory disorder; cancer; asthma; osteoporosis;  
KW tissue regeneration; immune disorder.

XX OS Homo sapiens.  
XX PN WO200155437-A2.

XX PD 02-AUG-2001.

XX PF 25-JAN-2001; 2001WO-US02623.

XX PR 25-JAN-2000; 2000US-0491404.

XX PA (HYSE-) HYSEQ INC.

XX PI Tang YT, Liu C, Drmanac RT;

XX DR WPI; 2001-451939/48.

XX DR N-PSDB; AAS22683.

XX PT Isolated polypeptides useful for treating anti-inflammatory diseases,  
XX nervous system disorders, and for regenerating bone and cartilage

XX PS Example 4; Page 790-792; 894pp; English.

XX CC The invention relates to polynucleotides encoding novel human  
XX proteins or their active domains. The polypeptides, polynucleotides and  
XX antibodies raised against the polypeptides are used in a method of  
XX treatment of a mammal and prevention of disorders caused by the aberrant  
XX protein expression or activity. The polypeptides can be used as  
XX molecular weight markers, food supplements, and in antibody production.  
XX The polypeptides are used to identify compounds which bind to the  
XX polypeptides. Polynucleotides of the invention are used as probes and  
XX primers, for sequencing, for chromosome or gene mapping, in the  
XX production of recombinant proteins, and in generating anti-sense DNA or  
XX RNA and in gene therapy. Polypeptides of the invention can be used to  
XX target drugs to a tumour, in assays to determine biological activity, to  
XX raise antibodies/elic an immune response, to determine quantitative  
XX protein levels, as tissue markers, and to isolate receptors or ligands.  
XX Polypeptides of the invention may also be useful in treating platelet  
XX disorders, stem cell disorders, regenerating bone, cartilage, tendon,  
XX ligament and/or nerve tissue, wound healing, treating burns, promoting  
XX the proliferation, differentiation and survival of stem cells, as a  
XX contraceptive, treating osteoporosis and osteoarthritis, anaemia,  
XX Alzheimer's, Parkinson's and Huntington's diseases, amyotrophic lateral  
XX sclerosis, stroke, immune deficiencies resulting from bacterial, viral or  
XX fungal infection or from autoimmunity, cancer, allergy, asthma,  
XX graft-versus-host disease, eczema, haemophilia, thrombosis,  
XX anti-inflammatory diseases, nervous system disorders, and infection.  
XX The present sequence represents a protein of the invention.

XX SQ Sequence 1070 AA;

Query Match 100.0%; Score 31; DB 22; Length 1070;

QY 1 EEVVPXXXXX 11  
ID AAG38944 standard; Protein; 1083 AA.  
XX AC AAG38944;  
XX DT 18-OCT-2000 (first entry)  
XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 48118.

XX KW Protein identification; signal transduction pathway; metabolic pathway;  
KW hybridisation assay; genetic mapping; gene expression control; promoter;  
KW termination sequence.

XX OS Arabidopsis thaliana.

XX PN EP1033405-A2.

XX PD 06-SEP-2000.

XX PF 25-FEB-2000; 2000EP-0301439.

XX PR 25-FEB-1999; 99US-0121825.

XX PR 05-MAR-1999; 99US-0123180.

XX PR 09-MAR-1999; 99US-0123548.

XX PR 23-MAR-1999; 99US-0125788.

XX PR 25-MAR-1999; 99US-0126264.

XX PR 29-MAR-1999; 99US-0126785.

XX PR 01-APR-1999; 99US-0127462.

XX PR 06-APR-1999; 99US-0128234.

XX PR 08-APR-1999; 99US-0128714.

XX PR 16-APR-1999; 99US-0129845.

XX PR 19-APR-1999; 99US-0130077.

XX PR 21-APR-1999; 99US-0130449.

XX PR 23-APR-1999; 99US-0130510.

XX PR 23-APR-1999; 99US-0130891.

XX PR 28-APR-1999; 99US-0131449.

XX PR 30-APR-1999; 99US-0132048.

XX PR 30-APR-1999; 99US-0132407.

XX PR 04-MAY-1999; 99US-0132484.

XX PR 05-MAY-1999; 99US-0132485.

XX PR 06-MAY-1999; 99US-0132486.

XX PR 07-MAY-1999; 99US-0132487.

XX PR 11-MAY-1999; 99US-0132863.

XX PR 14-MAY-1999; 99US-0134218.

XX PR 14-MAY-1999; 99US-0134219.

XX PR 14-MAY-1999; 99US-0134221.

XX PR 18-MAY-1999; 99US-0134370.

XX PR 19-MAY-1999; 99US-0134768.

XX PR 20-MAY-1999; 99US-0134941.

XX PR 21-MAY-1999; 99US-0135124.

XX PR 21-MAY-1999; 99US-0135353.

XX PR 24-MAY-1999; 99US-0135629.

XX PR 25-MAY-1999; 99US-0136021.

XX PR 27-MAY-1999; 99US-0136392.

XX PR 28-MAY-1999; 99US-0136782.

XX PR 01-JUN-1999; 99US-0137222.

XX PR 03-JUN-1999; 99US-0137528.

XX PR 04-JUN-1999; 99US-0137502.

XX PR 07-JUN-1999; 99US-0137724.

XX PR 08-JUN-1999; 99US-0138094.

XX PR 10-JUN-1999; 99US-0138540.

XX PR 10-JUN-1999; 99US-0138847.

XX PR 14-JUN-1999; 99US-0139119.

PR 16-JUN-1999; 99US-0139452.  
PR 17-JUN-1999; 99US-0139453.  
PR 18-JUN-1999; 99US-0139454.  
PR 18-JUN-1999; 99US-0139455.  
PR 18-JUN-1999; 99US-0139456.  
PR 18-JUN-1999; 99US-0139457.  
PR 18-JUN-1999; 99US-0139458.  
PR 18-JUN-1999; 99US-0139459.  
PR 18-JUN-1999; 99US-0139460.  
PR 18-JUN-1999; 99US-0139461.  
PR 18-JUN-1999; 99US-0139462.  
PR 18-JUN-1999; 99US-0139463.  
PR 18-JUN-1999; 99US-0139750.  
PR 18-JUN-1999; 99US-0139763.  
PR 21-JUN-1999; 99US-0139817.  
PR 22-JUN-1999; 99US-0139889.  
PR 23-JUN-1999; 99US-0140353.  
PR 23-JUN-1999; 99US-0140354.  
PR 24-JUN-1999; 99US-0140695.  
PR 28-JUN-1999; 99US-0140823.  
PR 29-JUN-1999; 99US-0140931.  
PR 30-JUN-1999; 99US-0141287.  
PR 01-JUL-1999; 99US-0141842.  
PR 01-JUL-1999; 99US-0142154.  
PR 02-JUL-1999; 99US-0142055.  
PR 06-JUL-1999; 99US-0142390.  
PR 08-JUL-1999; 99US-0142803.  
PR 09-JUL-1999; 99US-0142920.  
PR 12-JUL-1999; 99US-0142977.  
PR 13-JUL-1999; 99US-0143542.  
PR 14-JUL-1999; 99US-0143624.  
PR 15-JUL-1999; 99US-0144005.  
PR 16-JUL-1999; 99US-0144085.  
PR 16-JUL-1999; 99US-0144086.  
PR 19-JUL-1999; 99US-0144325.  
PR 19-JUL-1999; 99US-0144331.  
PR 19-JUL-1999; 99US-0144332.  
PR 19-JUL-1999; 99US-0144333.  
PR 19-JUL-1999; 99US-0144334.  
PR 20-JUL-1999; 99US-0144335.  
PR 20-JUL-1999; 99US-0144352.  
PR 20-JUL-1999; 99US-0144632.  
PR 20-JUL-1999; 99US-0144884.  
PR 21-JUL-1999; 99US-0144814.  
PR 21-JUL-1999; 99US-0145086.  
PR 21-JUL-1999; 99US-0145088.  
PR 22-JUL-1999; 99US-0145085.  
PR 22-JUL-1999; 99US-0145087.  
PR 22-JUL-1999; 99US-0145089.  
PR 22-JUL-1999; 99US-0145192.  
PR 23-JUL-1999; 99US-0145192.  
PR 23-JUL-1999; 99US-0145218.  
PR 23-JUL-1999; 99US-0145224.  
PR 26-JUL-1999; 99US-0145276.  
PR 27-JUL-1999; 99US-0145913.  
PR 27-JUL-1999; 99US-0145918.  
PR 27-JUL-1999; 99US-0145919.  
PR 28-JUL-1999; 99US-0145951.  
PR 02-AUG-1999; 99US-0146386.  
PR 02-AUG-1999; 99US-0146388.  
PR 02-AUG-1999; 99US-0146389.  
PR 03-AUG-1999; 99US-0147038.  
PR 04-AUG-1999; 99US-0147204.  
PR 04-AUG-1999; 99US-0147302.  
PR 05-AUG-1999; 99US-0147192.  
PR 05-AUG-1999; 99US-0147260.  
PR 06-AUG-1999; 99US-0147303.  
PR 06-AUG-1999; 99US-0147416.  
PR 09-AUG-1999; 99US-0147493.  
PR 09-AUG-1999; 99US-0147935.  
PR 10-AUG-1999; 99US-0148171.  
PR 11-AUG-1999; 99US-0148319.

PR 12-AUG-1999; 99US-0148341.  
PR 13-AUG-1999; 99US-0148565.  
PR 13-AUG-1999; 99US-0148684.  
PR 16-AUG-1999; 99US-0149368.  
PR 17-AUG-1999; 99US-0149175.  
PR 18-AUG-1999; 99US-0149426.  
PR 20-AUG-1999; 99US-0149722.  
PR 20-AUG-1999; 99US-0149723.  
PR 20-AUG-1999; 99US-0149929.  
PR 23-AUG-1999; 99US-0149902.  
PR 23-AUG-1999; 99US-0149930.  
PR 25-AUG-1999; 99US-0150566.  
PR 26-AUG-1999; 99US-0150884.  
PR 27-AUG-1999; 99US-0151065.  
PR 27-AUG-1999; 99US-0151066.  
PR 27-AUG-1999; 99US-0151080.  
PR 30-AUG-1999; 99US-0151303.  
PR 31-AUG-1999; 99US-0151438.  
PR 01-SEP-1999; 99US-0151930.  
PR 07-SEP-1999; 99US-0152363.  
PR 10-SEP-1999; 99US-0153070.  
PR 13-SEP-1999; 99US-0153758.  
PR 15-SEP-1999; 99US-0154018.  
PR 16-SEP-1999; 99US-0154039.  
PR 20-SEP-1999; 99US-0154779.  
PR 22-SEP-1999; 99US-0155139.  
PR 23-SEP-1999; 99US-0155486.  
PR 24-SEP-1999; 99US-0155659.  
PR 28-SEP-1999; 99US-0156458.  
PR 29-SEP-1999; 99US-0156596.  
PR 04-OCT-1999; 99US-0157117.  
PR 05-OCT-1999; 99US-0157753.  
PR 06-OCT-1999; 99US-0157865.  
PR 07-OCT-1999; 99US-0158029.  
PR 08-OCT-1999; 99US-0158232.  
PR 12-OCT-1999; 99US-0158369.  
PR 13-OCT-1999; 99US-0159293.  
PR 13-OCT-1999; 99US-0159294.  
PR 13-OCT-1999; 99US-0159295.  
PR 14-OCT-1999; 99US-0159329.  
PR 14-OCT-1999; 99US-0159330.  
PR 14-OCT-1999; 99US-0159331.  
PR 14-OCT-1999; 99US-0159637.  
PR 18-OCT-1999; 99US-0159638.  
PR 21-OCT-1999; 99US-0159584.  
PR 21-OCT-1999; 99US-0160741.  
PR 21-OCT-1999; 99US-0160767.  
PR 21-OCT-1999; 99US-0160768.  
PR 21-OCT-1999; 99US-0160770.  
PR 21-OCT-1999; 99US-0160814.  
PR 21-OCT-1999; 99US-0160815.  
PR 22-OCT-1999; 99US-0160980.  
PR 22-OCT-1999; 99US-0160981.  
PR 22-OCT-1999; 99US-0160989.  
PR 25-OCT-1999; 99US-0161404.  
PR 25-OCT-1999; 99US-0161405.  
PR 25-OCT-1999; 99US-0161406.  
PR 26-OCT-1999; 99US-0161359.  
PR 26-OCT-1999; 99US-0161360.  
PR 26-OCT-1999; 99US-0161361.  
PR 28-OCT-1999; 99US-0161920.  
PR 28-OCT-1999; 99US-0161992.  
PR 28-OCT-1999; 99US-0161993.  
PR 29-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 31; DB 21; Length 1083;  
Best Local Similarity 45.5%; Pred. No. 9.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 314 EEVVPPIPETK 324



RESULT 147  
ABG23360  
ID ABG23360 standard; Protein; 1111 AA.  
XX AC ABG23360;  
XX DT 18-FEB-2002 (first entry)  
XX DE Human novel protein #23351.  
XX DE Novel human diagnostic protein #23351.  
XX KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
KW food supplement; medical imaging; diagnostic; genetic disorder.  
XX OS Homo sapiens.  
XX PN WO200175067-A2.  
XX PD 11-OCT-2001.  
XX PF 30-MAR-2001; 2001WO-US08631.  
XX PR 31-MAR-2000; 2000US-0540217.  
XX PR 23-AUG-2000; 2000US-0649167.  
XX PA (HYSE-) HYSEQ INC.  
XX PI Drmanac RT, Liu C, Tang YT;  
XX WPI; 2001-639362/73.  
XX N-PSDB; AAS87547.  
XX New isolated polynucleotide and encoded polypeptides, useful in  
PT diagnostics, forensics, gene mapping, identification of mutations  
PT responsible for genetic disorders or other traits and to assess  
PT biodiversity  
XX Claim 20; SEQ ID No 53719; 103pp; English.  
XX The invention relates to isolated polynucleotide (I) and  
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
CC and gene mapping, and in recombinant production of (II). The  
CC polynucleotides are also used in diagnostics as expressed sequence tags  
CC for identifying expressed genes. (I) is useful in gene therapy techniques  
CC to restore normal activity of (II) or to treat disease states involving  
CC (II). (II) is useful for generating antibodies against it, detecting or  
CC quantitating a polypeptide in tissue, as molecular weight markers and as  
CC a food supplement. (II) and its binding partners are useful in medical  
CC imaging of sites expressing (II). (I) and (II) are useful for treating  
CC disorders involving aberrant protein expression or biological activity.  
CC The polypeptide and polynucleotide sequences have applications in  
CC diagnostics, forensics, gene mapping, identification of mutations  
CC responsible for genetic disorders or other traits to assess biodiversity  
CC and to produce other types of data and products dependent on DNA and  
CC amino acid sequences. ABG00010-ABG30377 represent novel human  
CC diagnostic amino acid sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX SQ Sequence 1111 AA;  
Query Match 100.0%; Score 31; DB 22; Length 1111;  
Best Local Similarity 45.5%; Pred. No. 9.4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 891 EEVVPETPEI 901  
|||||:|||||

RESULT 148

AAU14142  
ID AAU14142 standard; Protein; 1194 AA.  
XX AC AAU14142;  
XX DT 24-OCT-2001 (first entry)  
XX DE Human novel protein #13.  
XX KW Human; novel protein; Antianaemic; osteopathic; antiinflammatory;  
KW immunomodulatory; cytostatic; neuroprotective; vulnary; nootropic;  
KW anticonvulsant; antiarthritic; cerebroprotective; antifungal; antiviral;  
KW antibacterial; antiallergic; dermatological; haemostatic; antiasthmatic;  
KW thrombolytic; immunogen; antibody; gene therapy; neurological disorder;  
KW Parkinson's disease; inflammatory disorder; cancer; asthma; osteoporosis;  
KW tissue regeneration; immune disorder.  
XX OS Homo sapiens.  
XX PN WO200155437-A2.  
XX PD 02-AUG-2001.  
XX PF 25-JAN-2001; 2001WO-US02623.  
XX PR 25-JAN-2000; 2000US-0491404.  
XX PA (HYSE-) HYSEQ INC.  
XX PI Tang YT, Liu C, Drmanac RT;  
XX WPI; 2001-451939/48.  
XX N-PSDB; AAS22447.  
XX Isolated polypeptides useful for treating anti-inflammatory diseases,  
PT nervous system disorders, and for regenerating bone and cartilage  
PT Example 4; Page 531-533; 894pp; English.  
XX The invention relates to polynucleotides encoding novel human  
CC proteins or their active domains. The polypeptides, polynucleotides and  
CC antibodies raised against the polypeptides are used in a method of  
CC treatment of a mammal and prevention of disorders caused by the aberrant  
CC molecular expression or activity. The polypeptides can be used as  
CC molecular weight markers, food supplements, and in antibody production.  
CC The polypeptides are used to identify compounds which bind to the  
CC polypeptides. Polynucleotides of the invention are used as probes and  
CC primers, for sequencing, for chromosome or gene mapping, in the  
CC production of recombinant proteins, and in generating anti-sense DNA or  
CC RNA and in gene therapy. Polypeptides of the invention can be used to  
CC target drugs to a tumour, in assays to determine biological activity, to  
CC raise antibodies/elicits an immune response, to determine quantitative  
CC protein levels, as tissue markers, and to isolate receptors or ligands.  
CC Polypeptides of the invention may also be useful in treating platelet  
CC disorders, stem cell disorders, regenerating bone, cartilage, tendon,  
CC ligament and/or nerve tissue, wound healing, treating burns, promoting  
CC the proliferation, differentiation and survival of stem cells, as a  
CC contraceptive, treating osteoporosis and osteoarthritis, anaemia,  
CC Alzheimer's, Parkinson's and Huntington's diseases, amyotrophic lateral  
CC sclerosis, stroke, immune deficiencies resulting from bacterial, viral or  
CC fungal infection or from autoimmunity, cancer, allergy, asthma,  
CC graft-versus-host disease, eczema, haemophilia, thrombosis,  
CC anti-inflammatory diseases, nervous system disorders, and infection.  
CC The present sequence represents a protein of the invention.  
XX SQ Sequence 1194 AA;  
Query Match 100.0%; Score 31; DB 22; Length 1194;  
Best Local Similarity 45.5%; Pred. No. 1e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
|||||:|||||

Db 164 EEVVPREGSVS 174

RESULT 149  
AAG38943

ID AAG38943 standard; Protein; 1207 AA.  
XX  
AC AAG38943;  
XX  
DT 18-OCT-2000 (first entry)  
XX  
DE Arabidopsis thaliana protein fragment SEQ ID NO: 48117.  
XX  
KW Protein identification; signal transduction pathway; metabolic pathway;  
KW hybridisation assay; genetic mapping; gene expression control; promoter;  
KW termination sequence.  
XX  
OS Arabidopsis thaliana.  
XX  
PN EP1033405-A2.  
XX  
PD 06-SEP-2000.  
XX  
PF 25-FEB-2000; 2000EP-0301439.  
XX  
PR 25-FEB-1999; 99US-0121825.  
PR 05-MAR-1999; 99US-0123180.  
PR 09-MAR-1999; 99US-0123548.  
PR 23-MAR-1999; 99US-0125788.  
PR 25-MAR-1999; 99US-0126264.  
PR 29-MAR-1999; 99US-0126785.  
PR 01-APR-1999; 99US-0127462.  
PR 06-APR-1999; 99US-0128234.  
PR 08-APR-1999; 99US-0128714.  
PR 16-APR-1999; 99US-0129845.  
PR 19-APR-1999; 99US-0130077.  
PR 21-APR-1999; 99US-0130449.  
PR 23-APR-1999; 99US-0130510.  
PR 28-APR-1999; 99US-0130891.  
PR 30-APR-1999; 99US-0131449.  
PR 30-APR-1999; 99US-0132048.  
PR 30-APR-1999; 99US-0132407.  
PR 04-MAY-1999; 99US-0132484.  
PR 05-MAY-1999; 99US-0132485.  
PR 06-MAY-1999; 99US-0132486.  
PR 07-MAY-1999; 99US-0132487.  
PR 11-MAY-1999; 99US-0132863.  
PR 14-MAY-1999; 99US-0134256.  
PR 14-MAY-1999; 99US-0134218.  
PR 14-MAY-1999; 99US-0134219.  
PR 14-MAY-1999; 99US-0134221.  
PR 14-MAY-1999; 99US-0134370.  
PR 18-MAY-1999; 99US-0134768.  
PR 19-MAY-1999; 99US-0134941.  
PR 20-MAY-1999; 99US-0135124.  
PR 21-MAY-1999; 99US-0135353.  
PR 24-MAY-1999; 99US-0135629.  
PR 25-MAY-1999; 99US-0136021.  
PR 27-MAY-1999; 99US-0136392.  
PR 28-MAY-1999; 99US-0136782.  
PR 01-JUN-1999; 99US-0137222.  
PR 03-JUN-1999; 99US-0137528.  
PR 04-JUN-1999; 99US-0137502.  
PR 07-JUN-1999; 99US-0137724.  
PR 08-JUN-1999; 99US-0138094.  
PR 10-JUN-1999; 99US-0138840.  
PR 10-JUN-1999; 99US-0138847.  
PR 14-JUN-1999; 99US-0139119.  
PR 16-JUN-1999; 99US-0139452.  
PR 16-JUN-1999; 99US-0139453.  
PR 17-JUN-1999; 99US-0139492.  
PR 18-JUN-1999; 99US-0139454.  
PR 18-JUN-1999; 99US-0139455.  
PR 18-JUN-1999; 99US-0139456.  
PR 18-JUN-1999; 99US-0139457.  
PR 18-JUN-1999; 99US-0139458.  
PR 18-JUN-1999; 99US-0139459.  
PR 18-JUN-1999; 99US-0139460.  
PR 18-JUN-1999; 99US-0139461.  
PR 18-JUN-1999; 99US-0139462.  
PR 18-JUN-1999; 99US-0139463.  
PR 18-JUN-1999; 99US-0139750.  
PR 18-JUN-1999; 99US-0139763.  
PR 21-JUN-1999; 99US-0139817.  
PR 22-JUN-1999; 99US-0139899.  
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PR 28-JUN-1999; 99US-0140823.  
PR 29-JUN-1999; 99US-0140991.  
PR 30-JUN-1999; 99US-0141287.  
PR 01-JUL-1999; 99US-0141842.  
PR 01-JUL-1999; 99US-0142154.  
PR 02-JUL-1999; 99US-0142055.  
PR 06-JUL-1999; 99US-0142390.  
PR 08-JUL-1999; 99US-0142803.  
PR 09-JUL-1999; 99US-0142920.  
PR 12-JUL-1999; 99US-0142377.  
PR 13-JUL-1999; 99US-0143542.  
PR 14-JUL-1999; 99US-0143624.  
PR 15-JUL-1999; 99US-0144005.  
PR 16-JUL-1999; 99US-0144085.  
PR 16-JUL-1999; 99US-0144086.  
PR 19-JUL-1999; 99US-0144325.  
PR 19-JUL-1999; 99US-0144331.  
PR 19-JUL-1999; 99US-0144332.  
PR 19-JUL-1999; 99US-0144333.  
PR 19-JUL-1999; 99US-0144334.  
PR 19-JUL-1999; 99US-0144335.  
PR 20-JUL-1999; 99US-0144352.  
PR 20-JUL-1999; 99US-0144632.  
PR 20-JUL-1999; 99US-0144884.  
PR 21-JUL-1999; 99US-0144814.  
PR 21-JUL-1999; 99US-0145086.  
PR 21-JUL-1999; 99US-0145088.  
PR 22-JUL-1999; 99US-0145085.  
PR 22-JUL-1999; 99US-0145087.  
PR 22-JUL-1999; 99US-0145089.  
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PR 23-JUL-1999; 99US-0145145.  
PR 23-JUL-1999; 99US-0145218.  
PR 26-JUL-1999; 99US-0145224.  
PR 26-JUL-1999; 99US-0145276.  
PR 27-JUL-1999; 99US-0145913.  
PR 27-JUL-1999; 99US-0145918.  
PR 27-JUL-1999; 99US-0145919.  
PR 28-JUL-1999; 99US-0145951.  
PR 02-AUG-1999; 99US-0146386.  
PR 02-AUG-1999; 99US-0146388.  
PR 02-AUG-1999; 99US-0146389.  
PR 03-AUG-1999; 99US-0147038.  
PR 04-AUG-1999; 99US-0147204.  
PR 04-AUG-1999; 99US-0147302.  
PR 05-AUG-1999; 99US-0147192.  
PR 05-AUG-1999; 99US-0147260.  
PR 06-AUG-1999; 99US-0147303.  
PR 06-AUG-1999; 99US-0147416.  
PR 09-AUG-1999; 99US-0147493.  
PR 09-AUG-1999; 99US-0147935.  
PR 10-AUG-1999; 99US-0148171.  
PR 11-AUG-1999; 99US-0148319.  
PR 12-AUG-1999; 99US-0148341.  
PR 13-AUG-1999; 99US-0148565.  
PR 13-AUG-1999; 99US-0148684.  
PR 16-AUG-1999; 99US-0149368.  
PR 17-AUG-1999; 99US-0149175.

PR 18-AUG-1999; 99US-0149426.  
 PR 20-AUG-1999; 99US-0149722.  
 PR 20-AUG-1999; 99US-0149723.  
 PR 20-AUG-1999; 99US-0149929.  
 PR 23-AUG-1999; 99US-0149902.  
 PR 23-AUG-1999; 99US-0149930.  
 PR 25-AUG-1999; 99US-0150566.  
 PR 26-AUG-1999; 99US-0150884.  
 PR 27-AUG-1999; 99US-0151065.  
 PR 27-AUG-1999; 99US-0151066.  
 PR 27-AUG-1999; 99US-0151080.  
 PR 30-AUG-1999; 99US-0151303.  
 PR 31-AUG-1999; 99US-0151438.  
 PR 01-SEP-1999; 99US-0151930.  
 PR 07-SEP-1999; 99US-0152363.  
 PR 10-SEP-1999; 99US-0153070.  
 PR 13-SEP-1999; 99US-0153758.  
 PR 15-SEP-1999; 99US-0154018.  
 PR 16-SEP-1999; 99US-0154039.  
 PR 20-SEP-1999; 99US-0154779.  
 PR 22-SEP-1999; 99US-0155139.  
 PR 23-SEP-1999; 99US-0155486.  
 PR 24-SEP-1999; 99US-0155659.  
 PR 28-SEP-1999; 99US-0156458.  
 PR 29-SEP-1999; 99US-0156596.  
 PR 04-OCT-1999; 99US-0157117.  
 PR 05-OCT-1999; 99US-0157753.  
 PR 06-OCT-1999; 99US-0157865.  
 PR 07-OCT-1999; 99US-0158029.  
 PR 08-OCT-1999; 99US-0158232.  
 PR 12-OCT-1999; 99US-0158369.  
 PR 13-OCT-1999; 99US-0159293.  
 PR 13-OCT-1999; 99US-0159294.  
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 PR 14-OCT-1999; 99US-0159330.  
 PR 14-OCT-1999; 99US-0159331.  
 PR 14-OCT-1999; 99US-0159637.  
 PR 18-OCT-1999; 99US-0159584.  
 PR 21-OCT-1999; 99US-0160741.  
 PR 21-OCT-1999; 99US-0160767.  
 PR 21-OCT-1999; 99US-0160768.  
 PR 21-OCT-1999; 99US-0160770.  
 PR 21-OCT-1999; 99US-0160814.  
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 PR 22-OCT-1999; 99US-0160980.  
 PR 22-OCT-1999; 99US-0160981.  
 PR 22-OCT-1999; 99US-0160989.  
 PR 25-OCT-1999; 99US-0161404.  
 PR 25-OCT-1999; 99US-0161405.  
 PR 25-OCT-1999; 99US-0161406.  
 PR 26-OCT-1999; 99US-0161359.  
 PR 26-OCT-1999; 99US-0161360.  
 PR 26-OCT-1999; 99US-0161361.  
 PR 28-OCT-1999; 99US-0161920.  
 PR 28-OCT-1999; 99US-0161992.  
 PR 28-OCT-1999; 99US-0161993.  
 PR 29-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 31; DB 21; Length 1207;  
 Best Local Similarity 45.5%; Pred. NO. 1e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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 DB 438 EEVVPPIPETK 448

RESULT 150  
 AAY36851  
 ID AAY36851 standard; Protein; 1224 AA.  
 XX

AC AAY36851;  
 XX 07-OCT-1999 (first entry)  
 DT  
 DE Protein involved in intermediate metabolism of nucleic acids.  
 XX  
 XX Vaccine; eye disease; conventional trachoma; nonendemic trachoma;  
 KW paratrachoma; inclusion conjunctivitis; genital disease; perihhepatitis;  
 KW nongonococcal urethritis; epididymitis; cervicitis; salpingitis;  
 KW bartholinitis; pneumonia; venereal lymphogranulomatosis.  
 XX  
 OS Chlamydia trachomatis.  
 XX  
 PN WO9928475-A2.  
 XX  
 PD 10-JUN-1999.  
 XX  
 XX 27-NOV-1998; 98WO-IB01939.  
 PF  
 XX 04-NOV-1998; 98US-0107077.  
 PR 28-NOV-1997; 97FR-0015041.  
 PR 17-DEC-1997; 97FR-0016034.  
 XX  
 XX (GEST ) GENSET.  
 PA  
 XX Griffais R;  
 PI  
 XX WPI; 1999-371125/31.  
 DR  
 XX Genome sequence of Chlamydia trachomatis  
 PT  
 XX Disclosure; Page 725; 1755pp; English.  
 PS  
 XX AAY36754-Y37949 are encoded by open reading frames (ORFs) of the genome  
 CC of Chlamydia trachomatis (see AAZ01425). The polypeptides can be used as  
 CC vaccines against Chlamydia trachomatis. Antisense and ribozyme sequences  
 CC trachomatis is responsible for a large number of diseases, e.g. eye  
 CC paratrachoma, and inclusion conjunctivitis; genital diseases such as  
 CC nongonococcal urethritis, epididymitis, cervicitis, salpingitis,  
 CC perihhepatitis, bartholinitis; pneumonia in breast feeding infants;  
 CC and venereal lymphogranulomatosis. The polypeptides of the invention  
 CC may be of use in treating these diseases.  
 XX  
 SQ Sequence 1224 AA;  
 Query Match 100.0%; Score 31; DB 20; Length 1224;  
 Best Local Similarity 45.5%; Pred. No. 1.1e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
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 DB 39 EEVVPPIHKELT 49  
 RESULT 151  
 ABB59729  
 ID ABB59729 standard; Protein; 1376 AA.  
 XX  
 AC ABB59729;  
 XX  
 DT 26-MAR-2002 (first entry)  
 XX  
 DE Drosophila melanogaster polypeptide SEQ ID NO 5979.  
 XX  
 KW Drosophila; developmental biology; cell signalling; insecticide;  
 KW pharmaceutical.  
 XX  
 OS Drosophila melanogaster.  
 XX  
 PN WO200171042-A2.  
 XX

PD 27-SEP-2001.  
XX  
PF 23-MAR-2001; 2001WO-US09231.  
XX  
PR 23-MAR-2000; 2000US-191637P.  
PR 11-JUL-2000; 2000US-0614150.  
XX  
PA (PEKE ) PE CORP NY.  
XX  
PI Venter JC, Adams M, Li PWD, Myers EW;  
XX  
DR WPI; 2001-656860/75.  
DR N-PSDB; ABL03832.  
XX  
XX New isolated nucleic acid detection reagent for detecting 1000 or more  
PT genes from Drosophila and for elucidating cell signalling and cell-cell  
PT interactions -  
XX  
PS Disclosure; SEQ ID NO 5979; 21pp + Sequence Listing; English.  
XX  
CC The invention relates to an isolated nucleic acid detection reagent  
CC capable of detecting 1000 or more genes from Drosophila. The invention is  
CC useful in developmental biology and in elucidating cell signalling and  
CC cell-cell interactions in higher eukaryotes for the development of  
CC insecticides, therapeutics and pharmaceutical drugs. The invention  
CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
CC sequences (ABL01840-ABL16175) and the encoded proteins  
CC (ABB57737-ABB72072).  
CC The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 1376 AA;  
  
Query Match 100.0%; Score 31; DB 22; Length 1376;  
Best Local Similarity 45.5%; Pred. No. 1.2e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPVXXXXXX 11  
DB 67 EEVVPVAAEA 77  
|||||:|||||  
  
RESULT 152  
AAW57487  
ID AAW57487 standard; Protein; 1528 AA.  
AC AAW57487;  
XX  
XX Murine multidrug resistance-associated protein (MRP).  
DT 14-AUG-1998 (first entry)  
DE  
DE Murine multidrug resistance-associated protein (MRP).  
XX  
XX Multidrug resistance-associated protein; MRP; tumour; human;  
KW multidrug resistance; MDR; murine.  
XX  
XX Mus sp.  
OS  
XX US5766880-A.  
PN  
XX 16-JUN-1998.  
PD  
XX  
XX 05-JUN-1995; 95US-0463092.  
PF  
XX 05-JUN-1995; 95US-0463092.  
PR 27-OCT-1992; 92US-0966923.  
PR 08-MAR-1993; 93US-0029340.  
PR 26-OCT-1993; 93US-0141893.  
PR 20-MAR-1995; 95US-0407207.  
XX  
XX (TOOH ) UNIV QUEENS KINGSTON.  
PA  
XX Cole SP, Deeley RG;  
PI

XX WPI; 1998-361687/31.  
DR N-PSDB; AAV31499.  
XX  
XX DNA encoding protein associated with multi-drug resistance - useful  
PT for as probe for identifying multi-drug resistant tumour cells  
XX  
XX Claim 1; Columns 85-98; 82pp; English.  
XX  
XX This represents a murine multidrug resistance-associated protein (MRP).  
CC The human and murine MRP nucleic acid molecules can be used as probes for  
CC identifying multidrug resistant tumour cells by hybridisation to mRNA  
CC from tumour cells. The antisense nucleic acid can be used to reverse  
CC multidrug resistance (MDR). A recombinant expression vector containing  
CC the MRP nucleic acid molecules operatively linked to at least one  
CC regulatory sequence can be used to transform a host cell to produce a  
CC recombinant MDR-associated protein.  
XX  
SQ Sequence 1528 AA;  
  
Query Match 100.0%; Score 31; DB 19; Length 1528;  
Best Local Similarity 45.5%; Pred. No. 1.3e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPVXXXXXX 11  
DB 251 EEVVPVVLNNW 261  
|||||:|||||  
  
RESULT 153  
AAW99895  
ID AAW99895 standard; Protein; 1528 AA.  
AC AAW99895;  
XX  
XX 10-JUN-1999 (first entry)  
DT  
DE Mouse multidrug resistance-associated protein.  
XX  
XX Mouse; multidrug resistance-associated protein; MRP; cytotoxic drug;  
KW cancer; chemotherapy.  
XX  
XX Mus sp.  
OS  
XX US5891724-A.  
PN  
XX 06-APR-1999.  
PD  
XX  
XX 05-JUN-1995; 95US-0460907.  
PF  
XX 05-JUN-1995; 95US-0460907.  
PR 27-OCT-1992; 92US-0966923.  
PR 08-MAR-1993; 93US-0029340.  
PR 26-OCT-1993; 93US-0141893.  
PR 20-MAR-1995; 95US-0407207.  
XX  
XX (TOOH ) UNIV QUEENS KINGSTON.  
PA  
XX Cole SPC, Deeley RG;  
PI  
XX WPI; 1999-253868/21.  
DR N-PSDB; AAX19819.  
XX  
XX Protecting mammalian cells against cytotoxic drugs  
PT  
PS Claim 2; Column 97-104; 82pp; English.  
XX  
XX The present sequence represents a mouse multidrug resistance-associated  
CC protein (MRP). The present invention also describes a method for  
CC protecting a mammalian cell against the cytotoxicity of anhracyclines,  
CC epipodophyllotoxins and Vinca alkaloids (A) by introducing into it a  
CC nucleic acid (I) that hybridizes under stringent conditions to a nucleic  
CC acid (II) that encodes an MRP protein (III). Introduction of (I)

CC protects cells against cytotoxic effects of (A), particularly to protect  
 CC normal cells against (A) being used for treatment of cancers. Cells  
 CC transformed with (1) can be used to screen for agents that affect  
 CC multidrug resistance or are directly toxic to multidrug resistant cells,  
 CC i.e. potential therapeutics for multidrug-resistant cancers. Conferring  
 CC resistance to normal cells should allow an increase in the dose of (A)  
 CC that can be administered safely.

XX SQ Sequence 1528 AA;

Query Match 100.0%; Score 31; DB 20; Length 1528;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 251 EEVVPVLVNNW 261

#### RESULT 154

AAW74472  
 ID AAW74472 standard; Protein; 1528 AA.

XX AC AAW74472;

XX DT 18-MAY-1999 (first entry)

XX DE Mouse multidrug resistance-associated protein.

XX KW Multidrug resistance-associated protein; MDR; mouse; diagnosis;  
 KW MDR tumour cell identification; cancer therapy.

XX OS Mus sp.

XX PN US882875-A.

XX PD 16-MAR-1999.

XX PF 05-JUN-1995; 95US-0462109.

XX PR 05-JUN-1995; 95US-0462109.

XX PR 27-OCT-1992; 92US-0966923.

XX PR 08-MAR-1993; 93US-0029340.

XX PR 26-OCT-1993; 93US-0141893.

XX PR 20-MAR-1995; 95US-0407207.

XX PA (TOOH ) UNIV QUEENS KINGSTON.

XX PI Cole SPC, Deeley RG;

XX WPI: 1999-214061/18.

XX N-PSDB; AAX21978.

XX PT Identifying a multidrug resistant tumour cell by contacting the cell  
 with an antibody/antigen-binding fragment - which binds to an  
 expressed protein encoded by multidrug resistance-associated protein  
 (MRP) nucleic acid

XX PS Claim 4; Column 87-98; 80pp; English.

XX CC This sequence is the mouse multidrug resistance-associated (MDR)  
 protein. The invention relates to a method for identifying a multidrug  
 resistant (MDR) tumour cell. Compositions and methods utilising the MDR  
 proteins can be used to treat patients with tumours displaying multidrug  
 resistance, particularly those displaying resistance to anthracyclines,  
 epipodophyllotoxins, vinca alkaloids, and hydrophobic drugs. The methods  
 for inhibiting/killing a MDR tumour cell can be useful for treating  
 breast cancer, leukaemias, fibrosarcomas, cervical cancer, gliomas,  
 thymomas, neuroblastomas and lung cancer. The MDR DNA sequences when  
 labeled are useful as molecular probes for diagnosing multidrug  
 resistance of a tumour (using cells from a tumour biopsy) and for  
 designing ribozymes which are capable of cleaving a single-stranded  
 nucleic acid encoding a protein having MRP activity. Recombinant

CC expression vectors containing human MDR coding sequences can be  
 CC transfected into a drug sensitive cell line to produce a protein in the  
 CC cell which confers MDR, protecting non-resistant non-tumour cells from  
 CC the effects of chemotherapeutics has major clinical importance. Cells  
 CC transformed with the MDR coding sequences are useful for testing  
 CC potential therapeutic agents for their effectiveness against MDR cells  
 CC and for identifying chemosensitisers of a therapeutic agent.

XX SQ Sequence 1528 AA;

Query Match 100.0%; Score 31; DB 20; Length 1528;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 251 EEVVPVLVNNW 261

#### RESULT 155

AAW78874

ID AAY78874 standard; Protein; 1528 AA.

XX AC AAY78874;

XX DT 19-MAY-2000 (first entry)

XX DE Murine multidrug resistance protein (MRP) amino acid sequence.

XX KW Multidrug resistance protein; MRP; mouse; anthracycline; Vinca alkaloid;  
 KW epipodophyllotoxin; cancer; leukaemia.

XX OS Mus sp.

XX PN US6025473-A.

XX PD 15-FEB-2000.

XX PF 05-JUN-1995; 95US-0461384.

XX PR 27-OCT-1992; 92US-0966923.

XX PR 08-MAR-1993; 93US-0029340.

XX PR 26-OCT-1993; 93US-0141893.

XX PR 20-MAR-1995; 95US-0407207.

XX PA (TOOH ) UNIV QUEENS KINGSTON.

XX PI Cole SPC, Deeley RG;

XX WPI: 2000-181838/16.

XX N-PSDB; AAZ90194.

XX PT Isolated protein conferring multidrug resistance, to at least two drugs  
 selected from anthracyclines, epipodophyllotoxins and Vinca alkaloids,  
 on a drug sensitive mammalian cell.

XX PS Claim 18; Column 97-106; 78pp; English.

XX CC This sequence represents a murine multidrug resistance protein (MRP)  
 amino acid sequence. MRP confers multidrug resistance, including  
 resistance to at least two drugs selected from anthracyclines,  
 epipodophyllotoxins and Vinca alkaloids, on a drug sensitive mammalian  
 cell, when the protein is expressed in the cell. The multidrug resistance  
 is not substantially reversed by chemosensitizers which reverse  
 P-glycoprotein-mediated multidrug resistance. The MRP protein and  
 can be used to generate antibodies against MRP. The MRP protein and  
 nucleotide sequences can be used in compositions which are used to treat  
 patients with tumours displaying multidrug resistance. The compositions  
 and methods of the invention can be used particularly to treat breast  
 cancer, leukaemias, fibrosarcomas, cervical cancer, gliomas, thymomas,  
 neuroblastomas, and lung cancer. Antibodies directed against MRP can be  
 used to inhibit the multidrug resistance of a multidrug resistant cell.

SQ Sequence 1528 AA;

Query Match 100.0%; Score 31; DB 21; Length 1528;  
Best Local Similarity 45.5%; Pred. No. 1.3e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 251 EEVVPVLVNNW 261

RESULT 156

AAV55800  
ID AAV55800 standard; Protein; 1528 AA.

XX AC AAY5800;

XX DT 28-FEB-2000 (first entry)

XX DE Murine multidrug resistance-associated protein (MRP).

XX KW Chemosensitizer; multidrug resistance-associated protein; MRP; murine;  
KW therapeutic agent; P-glycoprotein-mediated multidrug resistance; lung;  
KW cancer.

XX OS Mus sp.

XX PN US6001563-A.

XX PD 14-DEC-1999.

XX PF 05-JUN-1995; 95US-0463179.

XX PR 27-OCT-1992; 92US-0966923.

XX PR 08-MAR-1993; 93US-0029340.

XX PR 26-OCT-1993; 93US-0141893.

XX PR 20-MAR-1995; 95US-0407207.

XX PA (TOOH) UNIV QUEENS KINGSTON.

XX PI Cole SP, Deeley RG;

XX DR WPI; 2000-061877/05.

XX DR N-PSDB; AAZ39557.

XX PS Claim 3; Columns 87-106; 77pp; English.

XX CC The invention provides a method for identifying a substance which is a  
CC chemosensitizer that comprises, contacting a cell transfected with  
CC nucleic acid encoding multidrug resistance-associated protein (MRP) with  
CC a therapeutic agent in vitro. The method is useful for identifying  
CC chemosensitizers which may then be used to treat cancer (especially lung  
CC cancer). The method allows the identification of chemosensitizers which  
CC do not reverse P-glycoprotein-mediated multidrug resistance. The present  
CC sequence represents a murine MRP.

SQ Sequence 1528 AA;

Query Match 100.0%; Score 31; DB 21; Length 1528;  
Best Local Similarity 45.5%; Pred. No. 1.3e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 251 EEVVPVLVNNW 261

RESULT 157

ABG02199

ID ABG02199 standard; Protein; 2012 AA.

XX AC

XX ABG02199;

XX DT 13-FEB-2002 (first entry)

XX DE Novel human diagnostic protein #2190.

XX KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
KW food supplement; medical imaging; diagnostic; genetic disorder.

XX OS Homo sapiens.

XX PN WO200175067-A2.

XX PD 11-OCT-2001.

XX PF 30-MAR-2001; 2001WO-US08631.

XX PR 31-MAR-2000; 2000US-0540217.

XX PR 23-AUG-2000; 2000US-0649167.

XX PA (HYSE-) HYSEQ INC.

XX PI Drmanac RT, Liu C, Tang YT;

XX DR WPI; 2001-639362/73.

XX DR N-PSDB; AAS66386.

XX PT New isolated polynucleotide and encoded polypeptides, useful in  
PT diagnostics, forensics, gene mapping, identification of mutations  
PT responsible for genetic disorders or other traits and to assess  
PT biodiversity

XX PS Claim 20; SEQ ID No 32558; 103pp; English.

XX CC The invention relates to isolated polynucleotide (I) and  
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
CC and gene mapping, and in recombinant production of (II). The  
CC polynucleotides are also used in diagnostics as expressed sequence tags  
CC for identifying expressed genes. (I) is useful in gene therapy techniques  
CC to restore normal activity of (II) or to treat disease states involving  
CC (II). (II) is useful for generating antibodies against it, detecting or  
CC quantitating a polypeptide in tissue, as molecular weight markers and as  
CC a food supplement. (II) and its binding partners are useful in medical  
CC imaging of sites expressing (II). (I) and (II) are useful for treating  
CC disorders involving aberrant protein expression or biological activity.  
CC The polypeptide and polynucleotide sequences have applications in  
CC diagnostics, forensics, gene mapping, identification of mutations  
CC responsible for genetic disorders or other traits to assess biodiversity  
CC and to produce other types of data and products dependent on DNA and  
CC amino acid sequences. ABG0010-ABG30377 represent novel human  
CC diagnostic amino acid sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.

SQ Sequence 2012 AA;

Query Match 100.0%; Score 31; DB 22; Length 2012;  
Best Local Similarity 45.5%; Pred. No. 1.8e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 318 EEVVPFLKLF 328

RESULT 158

AAW14748

ID AAW14748 standard; Protein; 2594 AA.

XX XX

AC AAW14748;

XX 13-MAY-1997 (first entry)  
 XX IgG-Fc binding protein encoded by 7.8 kb fragment of pNv11-ST.  
 DE Fragment 13; pNv11-ST; IgG-Fc binding protein; immunoglobulin; K17;  
 XX human; colonic epithelium; monoclonal antibody; K9; probe.  
 KW Homo sapiens.  
 XX W09527057-A1.  
 XX 12-OCT-1995.  
 XX 03-APR-1995; 95WO-JP00638.  
 XX 30-MAR-1995; 95JP-0109927.  
 PR 01-APR-1994; 94JP-0129487.  
 PR 24-AUG-1994; 94JP-0222547.  
 XX (CHUS ) CHUGAI SEIYAKU KK.  
 XX Harada N, Morikawa M;  
 XX WPI; 1995-358632/46.  
 DR N-PSDB; AAT63073.  
 XX DNA derived from colonic epithelium encoding IgG-Fc binding protein  
 PT - used in the mapping and analysis of IgG-Fc binding protein mRNA  
 XX Claim 1; Page 71-84; 132pp; Japanese.  
 XX This sequence is encoded by fragment 13 which is a NotI/KpnI fragment  
 CC from pNv11-ST. This sequence represents a portion of the IgG-Fc binding  
 CC protein of human colonic epithelium. This sequence was used in the  
 CC isolation of the full length sequence given in AAW14749. mRNA isolated  
 CC from human colonic epithelial tissue was used to prepare a cDNA library.  
 CC This was screened using monoclonal antibodies K9 and K17 which bind to  
 CC the large and small components of the binding protein. Active clones,  
 CC see also AAT63077-81, were used to derive probes for screening a second  
 CC DNA library from human colonic epithelial tissue.  
 XX Sequence 2594 AA;  
 Query Match 100.0%; Score 31; DB 16; Length 2594;  
 Best Local Similarity 45.5%; Pred. No. 2.4e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 ID 1420 EEVVPDSCPLP 1430  
 DE  
 XX  
 AC AAW73476  
 XX AAW73476;  
 XX 29-MAR-1999 (first entry)  
 XX Grapevine leafroll virus type 2 (GRLav-2) polyprotein.  
 DE GRLav-2; closterovirus; grape; tobacco; transgenic plant;  
 KW disease resistance; virus resistance; beet yellows virus;  
 KW tristeza virus; protease; methyltransferase; helicase.  
 XX Grapevine leafroll virus type 2.  
 OS W09853055-A1.  
 XX 26-NOV-1998.  
 XX

PF 20-MAY-1998; 98WO-US10313.  
 XX 20-MAY-1997; 97US-0047194.  
 PR (CORR ) CORNELL RES FOUND INC.  
 XX Gonsalves D, Ling K, Zhu H;  
 PI WPI; 1999-045307/04.  
 DR N-PSDB; AAV08864 and AAV08874.  
 XX Grapevine leafroll virus (type 2) proteins and polypeptides - and  
 PT encoding DNA, useful e.g. to impart grapevine leafroll resistance to  
 PT grape and tobacco plants and detect grapevine leafroll virus  
 XX Claim 4; Page 25-33; 151pp; English.  
 XX This is the amino acid sequence of a 294 kDa polyprotein encoded by  
 CC open reading frame ORF1a (see AAV08864) of grapevine leafroll virus  
 CC type 2 (GRLav-2) RNA (see AAV08874). It contains conserved domains  
 CC characteristic of 2 papain-like proteases, a methyltransferase and  
 CC a helicase. The GRLav-2 genome includes 9 open reading frames  
 CC (see AAV08864-72) encoding the polyprotein, an RNA-dependent RNA  
 CC polymerase, heat shock proteins, coat proteins and other proteins  
 CC of unknown function (see AAW73476-84). These can be used to produce  
 CC antibodies useful to detect GRLav in samples e.g. by ELISA  
 CC (claimed). The nucleic acid molecules can be used to produce  
 CC probes and primers for such detection, and to transform host cells  
 CC (especially Agrobacterium vitis, Agrobacterium tumefaciens, grape,  
 CC citrus, beet or tobacco cells) and produce transgenic plants  
 CC (claimed). They can be used to impart GRLav-2 resistance to vitis  
 CC scion or rootstock cultivars or Nicotiana cultivars (claimed).  
 CC Because extensive similarity exists between hsp70-related sequence  
 CC regions of GRLav-2 and other closteroviruses, the DNA may also be  
 CC used to impart beet yellows virus resistance to beet cultivars or  
 CC tristeza virus resistance to citrus scion cultivar/rootstock  
 CC cultivars (claimed).  
 XX Sequence 2639 AA;  
 Query Match 100.0%; Score 31; DB 20; Length 2639;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 ID 555 EEVVPDITPA 565  
 DE  
 XX  
 AC ABG22214;  
 XX 18-FEB-2002 (first entry)  
 XX Novel human diagnostic protein #22025.  
 DE Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder.  
 XX Homo sapiens.  
 OS W0200175067-A2.  
 XX 11-OCT-2001.  
 XX 30-MAR-2001; 2001WO-US08631.  
 XX 31-MAR-2000; 2000US-0540217.  
 PR 23-AUG-2000; 2000US-0649167.  
 XX

PA (HYSE-) HYSEQ INC.  
 XX Drmanac RT, Liu C, Tang YT;  
 PI WPI; 2001-639362/73.  
 XX N-PSDB; AAS86401.  
 DR New isolated nucleic acid and encoded polypeptides, useful in  
 DR diagnostics, forensics, gene mapping, identification of mutations  
 PT responsible for genetic disorders or other traits and to assess  
 PT biodiversity -  
 XX Claim 20; SEQ ID NO 52573; 103pp; English.  
 PS The invention relates to isolated polynucleotide (I) and  
 XX polypeptide (II) sequences. (I) is useful as hybridisation probes,  
 CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
 CC and gene mapping, and in recombinant production of (II). The  
 CC polynucleotides are also used in diagnostics as expressed sequence tags  
 CC for identifying expressed genes. (I) is useful in gene therapy techniques  
 CC to restore normal activity of (II) or to treat disease states involving  
 CC (II). (II) is useful for generating antibodies against it, detecting or  
 CC quantitating a polypeptide in tissue, as molecular weight markers and as  
 CC a food supplement. (II) and its binding partners are useful in medical  
 CC imaging of sites expressing (II). (I) and (II) are useful for treating  
 CC disorders involving aberrant protein expression or biological activity.  
 CC The polypeptide and polynucleotide sequences have applications in  
 CC diagnostics, forensics, gene mapping, identification of mutations  
 CC responsible for genetic disorders or other traits to assess biodiversity  
 CC and to produce other types of data and products dependent on DNA and  
 CC amino acid sequences. ABG00010-ABG30377 represent novel human  
 CC diagnostic amino acid sequences of the invention.  
 CC Note: The sequence data for this patent did not appear in the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX SQ Sequence 2957 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 2957;  
 Best Local Similarity 45.5%; Pred. No. 2.8e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPVXXXXXX 11  
 |||||:||||:  
 Db 1523 EEVVPDSPCLP 1533  
 RESULT 161  
 ABB67210  
 ID ABB67210 standard; Protein: 3263 AA.  
 AC ABB67210;  
 XX 26-MAR-2002 (first entry)  
 DT Drosophila melanogaster polypeptide SEQ ID NO 28422.  
 DE Drosophila; developmental biology; cell signalling; insecticide;  
 XX pharmaceutical.  
 KW Drosophila melanogaster.  
 XX OS WO200171042-A2.  
 XX PN 27-SEP-2001.  
 XX PF 23-MAR-2001; 2001WO-US09231.  
 XX PR 23-MAR-2000; 2000US-191637P.  
 XX PR 11-JUL-2000; 2000US-0614150.  
 XX PA (PEKE ) PE CORP NY.  
 XX

PI Venter JC, Adams M, Li PWD, Myers EW;  
 XX WPI; 2001-656860/75.  
 DR N-PSDB; ABL11313.  
 XX New isolated nucleic acid detection reagent for detecting 1000 or more  
 PT genes from Drosophila and for elucidating cell signalling and cell-cell  
 PT interactions -  
 XX Disclosure; SEQ ID NO 28422; 21pp + Sequence Listing; English.  
 PS The invention relates to an isolated nucleic acid detection reagent  
 CC capable of detecting 1000 or more genes from Drosophila. The invention is  
 CC useful in developmental biology and in elucidating cell signalling and  
 CC cell-cell interactions in higher eukaryotes for the development of  
 CC insecticides, therapeutics and pharmaceutical drugs. The invention  
 CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
 CC sequences (ABL01840-ABL16175) and the encoded proteins  
 CC (ABB57737-ABB72072).  
 CC The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX SQ Sequence 3263 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 3263;  
 Best Local Similarity 45.5%; Pred. No. 3.1e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPVXXXXXX 11  
 |||||:||||:  
 Db 1600 EEVVPTEETPE 1610  
 RESULT 162  
 AAW14749  
 ID AAW14749 standard; Protein: 5405 AA.  
 AC AAW14749;  
 XX DT 13-MAY-1997 (first entry)  
 DE IgG-Fc binding protein.  
 XX Fragment 13; pNVL1-ST; IgG-Fc binding protein; immunoglobulin; K17;  
 KW human; colonic epithelium; monoclonal antibody; K9; probe.  
 XX OS Homo sapiens.  
 XX PN WO9527057-A1.  
 XX PD 12-OCT-1995.  
 XX PF 03-APR-1995; 95WO-JP00638.  
 XX PR 30-MAR-1995; 95JP-0109927.  
 PR 01-APR-1994; 94JP-0129487.  
 PR 24-AUG-1994; 94JP-0222547.  
 XX (CHUS ) CHUGAI SEIYAKU KK.  
 XX Harada N, Morikawa M;  
 PI WPI; 1995-358632/46.  
 DR N-PSDB; AAT63074.  
 DR DNA derived from colonic epithelium encoding IgG-Fc binding protein  
 PT - used in the mapping and analysis of IgG-Fc binding protein mRNA  
 PT Claim 3; Page 86-113; 132pp; Japanese.  
 XX This sequence represents the IgG-Fc binding protein of human colonic  
 CC epithelium. This sequence was isolated using the sequence given in



CC AAW14748. mRNA isolated from human colonic epithelial tissue was used  
 CC to prepare a cDNA library. This was screened using monoclonal  
 CC antibodies K9 and K17 which bind to the large and small components of the  
 CC binding protein. Active clones, see also AAT63077-81, were used to  
 CC derive probes for screening a second DNA library from human colonic  
 CC epithelial tissue.

XX SQ Sequence 5405 AA;

Query Match 100.0%; Score 31; DB 16; Length 5405;  
 Best Local Similarity 45.5%; Pred. No. 5.4e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:.....

Db 1420 EEVVPDPCUP 1430

RESULT 163

ABB66811

ID ABB66811 standard; Protein; 6815 AA.

XX AC ABB66811;

XX 26-MAR-2002 (first entry)

XX Drosophila melanogaster polypeptide SEQ ID NO 27225.

XX Drosophila; developmental biology; cell signalling; insecticide;

XX pharmaceutical.

XX Drosophila melanogaster.

XX WO200171042-A2.

XX 27-SEP-2001.

XX 23-MAR-2001; 2001WO-US09231.

XX 23-MAR-2000; 2000US-191637P.

XX 11-JUL-2000; 2000US-0614150.

XX (PEKE ) PE CORP NY.

XX Venter JC, Adams M, Li PWD, Myers EW;

XX WPI; 2001-656860/75.

XX N-PSDB; ABL10914.

XX New isolated nucleic acid detection reagent for detecting 1000 or more  
 PT genes from Drosophila and for elucidating cell signalling and cell-cell  
 PT interactions -  
 XX Disclosure; SEQ ID NO 27225; 21pp + Sequence Listing; English.

XX The invention relates to an isolated nucleic acid detection reagent  
 CC capable of detecting 1000 or more genes from Drosophila. The invention is  
 CC useful in developmental biology and in elucidating cell signalling and  
 CC cell-cell interactions in higher eukaryotes for the development of  
 CC insecticides, therapeutics and pharmaceutical drugs. The invention  
 CC discloses genomic DNA sequences (AB516176-ABL30511), expressed DNA  
 CC sequences (AB51840-ABL16175) and the encoded proteins  
 CC (AB57737-AB572072).

CC The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.

XX SQ Sequence 6815 AA;

Query Match 100.0%; Score 31; DB 22; Length 6815;  
 Best Local Similarity 45.5%; Pred. No. 6.9e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

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Db 4689 EEVPEPIVEE 4699

RESULT 164

ABG22216

ID ABG22216 standard; Protein; 7337 AA.

XX AC ABG22216;

XX 18-FEB-2002 (first entry)

XX Novel human diagnostic protein #22207.

XX Human; chromosome mapping; gene mapping; gene therapy; forensic;

XX food supplement; medical imaging; diagnostic; genetic disorder.

XX Homo sapiens.

XX WO200175067-A2.

XX 11-OCT-2001.

XX 30-MAR-2001; 2001WO-US08631.

XX 31-MAR-2000; 2000US-0540217.

XX 23-AUG-2000; 2000US-0649167.

XX (HYSE-) HYSEQ INC.

XX Drmanac RT, Liu C, Tang YT;

XX WPI; 2001-639362/73.

XX N-PSDB; AAS86403.

XX New isolated polynucleotide and encoded polypeptides, useful in  
 PT diagnostics, forensics, gene mapping, identification of mutations  
 PT responsible for genetic disorders or other traits and to assess  
 PT biodiversity -  
 XX Claim 20; SEQ ID NO 52575; 103pp; English.

XX The invention relates to isolated polynucleotide (I) and  
 CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
 CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
 CC and gene mapping, and in recombinant production of (II). The  
 CC polynucleotides are also used in diagnostics as expressed sequence tags  
 CC for identifying expressed genes. (I) is useful in gene therapy techniques  
 CC to restore normal activity of (II) or to treat disease states involving  
 CC (II). (II) is useful for generating antibodies against it, detecting or  
 CC quantitating a polypeptide in tissue, as molecular weight markers and as  
 CC a food supplement. (II) and its binding partners are useful in medical  
 CC imaging of sites expressing (II). (I) and (II) are useful for treating  
 CC disorders involving aberrant protein expression or biological activity.  
 CC The polypeptide and polynucleotide sequences have applications in  
 CC diagnostics, forensics, gene mapping, identification of mutations  
 CC responsible for genetic disorders or other traits to assess biodiversity  
 CC and to produce other types of data and products dependent on DNA and  
 CC amino acid sequences. ABG00010-ABG30377 represent novel human  
 CC diagnostic amino acid sequences of the invention.  
 CC Note: The sequence data for this patent did not appear in the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.

XX SQ Sequence 7337 AA;

Query Match 100.0%; Score 31; DB 22; Length 7337;  
 Best Local Similarity 45.5%; Pred. No. 7.5e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

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Thu May 29 17:38:54 2003

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Db . 674 EEVVPDSCLP 684

Search completed: May 29, 2003, 16:57:50  
Job time : 37 secs

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456	31	100.0	135	9	US-10-179-795-444	Sequence 444, App
457	31	100.0	135	9	US-10-218-956-108	Sequence 108, App

## ALIGNMENTS

RESULT 1  
 US-09-764-891-5174  
 ; Sequence 5174, Application US/09764891  
 ; Publication No. US20030077808A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 ; FILE REFERENCE: PC006  
 ; CURRENT FILING DATE: 2001-01-17  
 ; PRIOR APPLICATION NUMBER: US/09/764,891  
 ; Prior application data removed - consult PALM or file wrapper  
 ; NUMBER OF SEQ ID NOS: 10231  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 5174  
 ; LENGTH: 61  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-764-891-5174  
 Query Match 100.0%; Score 31; DB 9; Length 61;  
 Best Local Similarity 45.5%; Pred. No. 97;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 Db 49 EEVVPQKKKK 59  
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RESULT 2

US-09-864-761-42102  
 ; Sequence 42102, Application US/09864761  
 ; Patent No. US20020048763A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Penn, Sharon G.  
 ; APPLICANT: Rank, David R.  
 ; APPLICANT: Hanzel, David K.  
 ; APPLICANT: Chen, Wensheng  
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 ; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
 ; FILE REFERENCE: Acomica-X-1  
 ; CURRENT APPLICATION NUMBER: US/09/864,761  
 ; CURRENT FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/180,312  
 ; PRIOR FILING DATE: 2000-02-04  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 09/632,366  
 ; PRIOR FILING DATE: 2000-08-03  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 09/608,408  
 ; PRIOR FILING DATE: 2000-06-30  
 ; PRIOR APPLICATION NUMBER: US 09/774,203  
 ; PRIOR FILING DATE: 2001-01-29  
 ; NUMBER OF SEQ ID NOS: 49117  
 ; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
 ; SEQ ID NO 42102  
 ; LENGTH: 99  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: MAP TO AC016025.11  
 ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.2  
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 8.7  
 ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 5.2  
 ; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 5.1  
 ; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.9  
 ; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.6  
 ; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4  
 ; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 4.1

; OTHER INFORMATION: EST HUMAN HIT: BE897953.1, EVALUE 3.00e-22  
 ; OTHER INFORMATION: SWISSPROT HIT: P12957, EVALUE 4.20e-01  
 US-09-864-761-42102

Query Match 100.0%; Score 31; DB 10; Length 99;  
 Best Local Similarity 45.5%; Pred. No. 1.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 Db 17 EEVVPALPEPE 27  
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RESULT 3

US-09-852-797-68  
 ; Sequence 68, Application US/09852797  
 ; Patent No. US20020172994A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: 28 Human Secreted Proteins  
 ; FILE REFERENCE: P2003P2  
 ; CURRENT APPLICATION NUMBER: US/09/852,797  
 ; CURRENT FILING DATE: 2001-05-11  
 ; PRIOR APPLICATION NUMBER: 60/265,583  
 ; PRIOR FILING DATE: 2001-02-02  
 ; PRIOR APPLICATION NUMBER: 09/152,060  
 ; PRIOR FILING DATE: 1998-09-11  
 ; PRIOR APPLICATION NUMBER: PCT/US98/04858  
 ; PRIOR FILING DATE: 1998-03-12  
 ; PRIOR APPLICATION NUMBER: 60/040,762  
 ; PRIOR FILING DATE: 1997-03-14  
 ; PRIOR APPLICATION NUMBER: 60/040,710  
 ; PRIOR FILING DATE: 1997-03-14  
 ; PRIOR APPLICATION NUMBER: 60/050,934  
 ; PRIOR FILING DATE: 1997-05-30  
 ; PRIOR APPLICATION NUMBER: 60/048,100  
 ; PRIOR FILING DATE: 1997-05-30  
 ; PRIOR APPLICATION NUMBER: 60/048,357  
 ; PRIOR FILING DATE: 1997-05-30  
 ; PRIOR APPLICATION NUMBER: 60/048,189  
 ; PRIOR FILING DATE: 1997-05-30  
 ; PRIOR APPLICATION NUMBER: 60/057,765  
 ; PRIOR FILING DATE: 1997-09-05  
 ; PRIOR APPLICATION NUMBER: 60/048,970  
 ; PRIOR FILING DATE: 1997-06-06  
 ; PRIOR APPLICATION NUMBER: 60/068,368  
 ; PRIOR FILING DATE: 1997-12-19  
 ; NUMBER OF SEQ ID NOS: 118  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 68  
 ; LENGTH: 121  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-852-797-68

Query Match 100.0%; Score 31; DB 9; Length 121;  
 Best Local Similarity 45.5%; Pred. No. 2.2e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 Db 28 EEVVPGGGRSK 38  
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RESULT 4

US-09-852-797-85  
 ; Sequence 85, Application US/09852797  
 ; Patent No. US20020172994A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: 28 Human Secreted Proteins  
 ; FILE REFERENCE: P2003P2  
 ; CURRENT APPLICATION NUMBER: US/09/852,797

Query Match 100.0%; Score 31; DB 10; Length 121;  
Best Local Similarity 45.5%; Pred. No. 2.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels

## RESULT 6

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; Sequence 85, Application US/09853161
; Patent No. US2020076756A1
; GENERAL INFORMATION:
; APPLICANT: ROSEN et al.
; TITLE OF INVENTION: 28 Human Secret
; FILE REFERENCE: P2003P3
; CURRENT APPLICATION NUMBER: US/09/8
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/265,58

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Query Match 100.0%; Score 31; DB 9; Length 121;  
Best Local Similarity 45.5%; Pred. NO. 2.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5
US-09-853-161-68
; Sequence 68, Application US/09853161
; Patent No. US20020076756A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: P2003P3
; CURRENT APPLICATION NUMBER: US/09/853,161
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/265,583
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 09/152,060
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: PCT/US98/04858
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/040,762
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/040,710
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/050,934
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,100
; PRIOR FILING DATE: 1997-05-30

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OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (89)



; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-853-161-85

Query Match 100.0%; Score 31; DB 10; Length 121;  
Best Local Similarity 45.5%; Pred. No. 2.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 7

US-09-852-659A-68  
; Sequence 68, Application US/09852659A  
; Patent No. US20020077287A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: 28 Human Secreted Proteins

; FILE REFERENCE: P2003P4

; CURRENT APPLICATION NUMBER: US/09/852,659A

; CURRENT FILING DATE: 2001-05-11

; PRIOR APPLICATION NUMBER: 60/265,583

; PRIOR FILING DATE: 2001-02-02

; PRIOR APPLICATION NUMBER: 09/152,060

; PRIOR FILING DATE: 1998-09-11

; PRIOR APPLICATION NUMBER: PCT/US98/04858

; PRIOR FILING DATE: 1998-03-12

; PRIOR APPLICATION NUMBER: 60/040,762

; PRIOR FILING DATE: 1997-03-14

; PRIOR APPLICATION NUMBER: 60/040,710

; PRIOR FILING DATE: 1997-03-14

; PRIOR APPLICATION NUMBER: 60/050,934

; PRIOR FILING DATE: 1997-05-30

; PRIOR APPLICATION NUMBER: 60/048,100

; PRIOR FILING DATE: 1997-05-30

; PRIOR APPLICATION NUMBER: 60/048,357

; PRIOR FILING DATE: 1997-05-30

; PRIOR APPLICATION NUMBER: 60/048,189

; PRIOR FILING DATE: 1997-05-30

; PRIOR APPLICATION NUMBER: 60/057,765

; PRIOR FILING DATE: 1997-09-05

; PRIOR APPLICATION NUMBER: 60/048,970

; PRIOR FILING DATE: 1997-06-06

; PRIOR APPLICATION NUMBER: 60/068,368

; PRIOR FILING DATE: 1997-12-19

; NUMBER OF SEQ ID NOS: 121

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 68

; LENGTH: 121

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-09-852-659A-68

Query Match 100.0%; Score 31; DB 10; Length 121;  
Best Local Similarity 45.5%; Pred. No. 2.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 8

US-09-852-659A-85

; Sequence 85, Application US/09852659A

; Patent No. US20020077287A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: 28 Human Secreted Proteins

; FILE REFERENCE: P2003P4

; CURRENT APPLICATION NUMBER: US/09/852,659A

; CURRENT FILING DATE: 2001-05-11

; PRIOR APPLICATION NUMBER: 60/265,583  
; PRIOR FILING DATE: 2001-02-02  
; PRIOR APPLICATION NUMBER: 09/152,060  
; PRIOR FILING DATE: 1998-09-11  
; PRIOR APPLICATION NUMBER: PCT/US98/04858  
; PRIOR FILING DATE: 1998-03-12  
; PRIOR APPLICATION NUMBER: 60/040,762  
; PRIOR FILING DATE: 1997-03-14  
; PRIOR APPLICATION NUMBER: 60/040,710  
; PRIOR FILING DATE: 1997-03-14  
; PRIOR APPLICATION NUMBER: 60/050,934  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,100  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,357  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,189  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/057,765  
; PRIOR FILING DATE: 1997-09-05  
; PRIOR APPLICATION NUMBER: 60/048,970  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/068,368  
; PRIOR FILING DATE: 1997-12-19  
; NUMBER OF SEQ ID NOS: 121  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 85

; LENGTH: 121

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: SITE

; LOCATION: (67)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

; FEATURE:

; NAME/KEY: SITE

; LOCATION: (89)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

; US-09-852-659A-85

Query Match 100.0%; Score 31; DB 10; Length 121;  
Best Local Similarity 45.5%; Pred. No. 2.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 9

US-09-992-598-359

; Sequence 359, Application US/09992598

; Patent No. US20020160384A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC20  
CURRENT APPLICATION NUMBER: US/09/992,598  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
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;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38  
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## RESULT 11

US-09-989-735-359  
; Sequence 359, Application US/09989735  
; Publication No. US20020193299A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC61  
; CURRENT APPLICATION NUMBER: US/09/989, 735  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17

[illegible]

;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
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;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 BEVPPXXXXX 11  
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DB 28 BEVPPGGGRSK 38

## RESULT 12

US-09-950-444-359 .  
; Sequence 359, Application US/09990444  
; Publication No. US20020193300A1

## GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Botstein, David  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Eaton, Dan L.  
;; APPLICANT: Ferrara, Napoleone  
;; APPLICANT: Fong, Sherman  
;; APPLICANT: Gerber, Hanspeter  
;; APPLICANT: Gieritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Grimaldi, J. Christopher  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Kljavin, Ivar J.  
;; APPLICANT: Napier, Mary A.  
;; APPLICANT: Pan, James  
;; APPLICANT: Paoni, Nicholas F.  
;; APPLICANT: Roy, Margaret Ann  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C19  
; CURRENT APPLICATION NUMBER: US/09/990,444  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: 60/049787.  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
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PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Caps 0;

QY 1 EEVVPXXXXXX 11  
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Db 28 EEVVPGGGRSK 38

RESULT 13

US-09-989-730-359  
; Sequence 359, Application US/09989730  
; Publication No. US20020197674A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Bolstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P27301C69  
; CURRENT APPLICATION NUMBER: US/09/989,730  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 60/049787  
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; PRIOR FILING DATE: 1998-03-20  
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; PRIOR FILING DATE: 1998-05-07

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70	PRIOR APPLICATION NUMBER: 60/091633
71	PRIOR FILING DATE: 1998-07-02
72	PRIOR APPLICATION NUMBER: 60/091978
73	PRIOR FILING DATE: 1998-07-02



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; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-09

Query Match          100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 14
US-09-990-436-359
; Sequence 359, Application US/09990436
; Publication No. US20020198148A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C14
; CURRENT APPLICATION NUMBER: US/09/990,436
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGRSK 38  
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## RESULT 15

US-09-991-181-359  
; Sequence 359, Application US/09991181  
; Publication No. US20020197615A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gottsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730F1C53  
; CURRENT APPLICATION NUMBER: US/09/991.181  
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;	PRIOR FILING DATE:	1998-07-09	

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## RESULT 16

US-09-993-687-359  
; Sequence 359, Application US/09993687  
; Publication No. US20020198149A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C11  
; CURRENT APPLICATION NUMBER: US/09/993,687  
; CURRENT FILING DATE: 2002-11-14  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
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; PRIOR APPLICATION NUMBER: 60/065311  
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; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
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; PRIOR APPLICATION NUMBER: 60/083322  
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PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
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PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 100.0% Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

RESULT 17  
US-09-989-734-359  
Sequence 359, Application us/09989734  
Publication No. US20030003531A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC64  
CURRENT APPLICATION NUMBER: US/09/989,734  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

Db 28 EEVFGGRSK 38

## RESULT 18

US-09-997-653-359  
; Sequence 359, Application US/09997653  
; Publication No. US20030008297A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.

audet-909164-5.dx-anysize600.rapb

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; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P27301C38
; CURRENT APPLICATION NUMBER: US/09/997,653
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24

```

/ APPLICANT: Baker, Kevin P.  
 / APPLICANT: Chen, Jian  
 / APPLICANT: Desnoyers, Luc  
 / APPLICANT: Goddard, Audrey  
 / APPLICANT: Godowski, Paul J.  
 / APPLICANT: Gurney, Austin L.  
 / APPLICANT: Pan, James  
 / APPLICANT: Smith, Victoria  
 / APPLICANT: Watanabe, Colin K.  
 / APPLICANT: Wood, William I.  
 / APPLICANT: Zhang, Zemin  
 / TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 / TITLE OF INVENTION: ACIDS ENCODING THE SAME  
 / FILE REFERENCE: P3430R1C42  
 / CURRENT APPLICATION NUMBER: US/10/174,590  
 / CURRENT FILING DATE: 2002-06-18

APPLICANT:	Baker, Kevin P.
APPLICANT:	Chen, Jian
APPLICANT:	Desnoyers, Luc
APPLICANT:	Goddard, Audrey
APPLICANT:	Godowski, Paul J.
APPLICANT:	Gurney, Austin L.
APPLICANT:	Pan, James
APPLICANT:	Smith, Victoria
APPLICANT:	Watanabe, Colin K.
APPLICANT:	Wood, William I.
APPLICANT:	Zhang, Zemin
TITLE OF INVENTION:	SECRETED
TITLE OF INVENTION:	SECRETED



FILE REFERENCE: P3430RIC50  
CURRENT APPLICATION NUMBER: US/10/175,737  
CURRENT FILING DATE: 2002-06-19  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-175-737-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
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DB 28 EEVPPGGGRSK 38

## RESULT 22

US-09-993-667-359  
Sequence 359, Application US/09993667

Publication No. US20030022187A1

## GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
Acids Encoding the Same

FILE REFERENCE: P2730PIC4

CURRENT APPLICATION NUMBER: US/09/993,667

CURRENT FILING DATE: 2001-11-14

Prior APPLICATION NUMBER: 60/049787

Prior FILING DATE: 1997-06-16

Prior APPLICATION NUMBER: 60/062250

Prior FILING DATE: 1997-10-17

Prior APPLICATION NUMBER: 60/065186

Prior FILING DATE: 1997-11-12

Prior APPLICATION NUMBER: 60/065311

Prior FILING DATE: 1997-11-13

Prior APPLICATION NUMBER: 60/066770

Prior FILING DATE: 1997-11-24

Prior APPLICATION NUMBER: 60/075945

Prior FILING DATE: 1998-02-25

Prior APPLICATION NUMBER: 60/078910

Prior FILING DATE: 1998-03-20

Prior APPLICATION NUMBER: 60/083322

Prior FILING DATE: 1998-04-28

Prior APPLICATION NUMBER: 60/084600

Prior FILING DATE: 1998-05-07

Prior APPLICATION NUMBER: 60/087106

Prior FILING DATE: 1998-05-28  
Prior APPLICATION NUMBER: 60/087607  
Prior FILING DATE: 1998-06-02  
Prior APPLICATION NUMBER: 60/087609  
Prior FILING DATE: 1998-06-02  
Prior APPLICATION NUMBER: 60/087759  
Prior FILING DATE: 1998-06-02  
Prior APPLICATION NUMBER: 60/087827  
Prior FILING DATE: 1998-06-03  
Prior APPLICATION NUMBER: 60/088021  
Prior FILING DATE: 1998-06-04  
Prior APPLICATION NUMBER: 60/088025  
Prior FILING DATE: 1998-06-04  
Prior APPLICATION NUMBER: 60/088026  
Prior FILING DATE: 1998-06-04  
Prior APPLICATION NUMBER: 60/088028  
Prior FILING DATE: 1998-06-04  
Prior APPLICATION NUMBER: 60/088029  
Prior FILING DATE: 1998-06-04  
Prior APPLICATION NUMBER: 60/088030  
Prior FILING DATE: 1998-06-04  
Prior APPLICATION NUMBER: 60/088033  
Prior FILING DATE: 1998-06-04  
Prior APPLICATION NUMBER: 60/088326  
Prior FILING DATE: 1998-06-04  
Prior APPLICATION NUMBER: 60/088167  
Prior FILING DATE: 1998-06-05  
Prior APPLICATION NUMBER: 60/088202  
Prior FILING DATE: 1998-06-05  
Prior APPLICATION NUMBER: 60/088212  
Prior FILING DATE: 1998-06-05  
Prior APPLICATION NUMBER: 60/088217  
Prior FILING DATE: 1998-06-05  
Prior APPLICATION NUMBER: 60/088655  
Prior FILING DATE: 1998-06-09  
Prior APPLICATION NUMBER: 60/088734  
Prior FILING DATE: 1998-06-10  
Prior APPLICATION NUMBER: 60/088738  
Prior FILING DATE: 1998-06-10  
Prior APPLICATION NUMBER: 60/088742  
Prior FILING DATE: 1998-06-10  
Prior APPLICATION NUMBER: 60/088810  
Prior FILING DATE: 1998-06-10  
Prior APPLICATION NUMBER: 60/088824  
Prior FILING DATE: 1998-06-10  
Prior APPLICATION NUMBER: 60/088826  
Prior FILING DATE: 1998-06-10  
Prior APPLICATION NUMBER: 60/088858  
Prior FILING DATE: 1998-06-11  
Prior APPLICATION NUMBER: 60/088861  
Prior FILING DATE: 1998-06-11  
Prior APPLICATION NUMBER: 60/088876  
Prior FILING DATE: 1998-06-11  
Prior APPLICATION NUMBER: 60/089105  
Prior FILING DATE: 1998-06-12  
Prior APPLICATION NUMBER: 60/089440  
Prior FILING DATE: 1998-06-16  
Prior APPLICATION NUMBER: 60/089512  
Prior FILING DATE: 1998-06-16  
Prior APPLICATION NUMBER: 60/089514  
Prior FILING DATE: 1998-06-16  
Prior APPLICATION NUMBER: 60/089532  
Prior FILING DATE: 1998-06-17  
Prior APPLICATION NUMBER: 60/089538  
Prior FILING DATE: 1998-06-17  
Prior APPLICATION NUMBER: 60/089598  
Prior FILING DATE: 1998-06-17  
Prior APPLICATION NUMBER: 60/089599  
Prior FILING DATE: 1998-06-17  
Prior APPLICATION NUMBER: 60/089600  
Prior FILING DATE: 1998-06-17  
Prior APPLICATION NUMBER: 60/089653  
Prior FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: 60/089801  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089907  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089908  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089947  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089948  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089952  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/090246  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090252  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090254  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090349  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090355  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090429  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090431  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090435  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090444  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090445  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090472  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090535  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090540  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090542  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090557  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090676  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090678  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090690  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090694  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090696  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090862  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/090863  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/091360  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091478  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091544  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091519  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091626  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091633  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982

; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

## RESULT 23

US-10-173-706-444  
; Sequence 444, Application US/10173706  
; Publication No. US20030022293A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C7  
; CURRENT APPLICATION NUMBER: US/10/173,706  
; CURRENT FILING DATE: 2002-06-17  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-173-706-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

## RESULT 24

US-10-175-738-444  
; Sequence 444, Application US/10175738  
; Publication No. US20030022294A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C45  
; CURRENT APPLICATION NUMBER: US/10/175,738  
; CURRENT FILING DATE: 2002-06-19  
; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-175-738-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|:|:|:|:|:|

## RESULT 25

US-10-175-752-444  
; Sequence 444, Application US/10175752  
; Publication No. US2003002295A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C50  
; CURRENT APPLICATION NUMBER: US/10/175,752  
; CURRENT FILING DATE: 2002-06-19  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-175-752-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|:|:|:|:|:|

## RESULT 26

US-10-176-482-444  
; Sequence 444, Application US/10176482  
; Publication No. US2003002296A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C70

; CURRENT APPLICATION NUMBER: US/10/176,482  
; CURRENT FILING DATE: 2002-06-20  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-482-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|:|:|:|:|:|

## RESULT 27

US-10-176-757-444  
; Sequence 444, Application US/10176757  
; Publication No. US2003002297A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C86  
; CURRENT APPLICATION NUMBER: US/10/176,757  
; CURRENT FILING DATE: 2002-06-20  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-757-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|:~|:~|:~|:~|:~|

## RESULT 28

US-10-176-913-444  
; Sequence 444, Application US/10176913  
; Publication No. US2003002298A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC56
; CURRENT APPLICATION NUMBER: US/10/176,913
; PRIOR FILING DATE: 2002-06-20
; Prior Application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-913-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 28 EEVVPGGGRSK 38

RESULT 29
US-10-180-552-444
; Sequence 444, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC153
; CURRENT APPLICATION NUMBER: US/10/180,552
; PRIOR FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-552-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 28 EEVVPGGGRSK 38

RESULT 30
US-10-180-557-444
; Sequence 444, Application US/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria

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; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC147
; CURRENT APPLICATION NUMBER: US/10/180,557
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-557-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 28 EEVVPGGGRSK 38

RESULT 31
US-09-990-438-359
; Sequence 359, Application US/09990438
; Publication No. US20030027754A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2730PIC3
; CURRENT APPLICATION NUMBER: US/09/990,438
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20

```

[illegible]

; PRIOR APPLICATION NUMBER: 60/091633  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EEVPPXXXXX 11

Db 28 EEVPPGGGSK 38

## RESULT 32

US-09-990-562-359  
; Sequence 359, Application US/09990562  
; Publication No. US20030027985A1

## GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C18

; CURRENT APPLICATION NUMBER: US/09/990,562  
; CURRENT FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/087106  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/087607

; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087609  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087759  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087827  
; PRIOR FILING DATE: 1998-06-03  
; PRIOR APPLICATION NUMBER: 60/088021  
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; PRIOR FILING DATE: 1998-06-03

; PRIOR FILING DATE: 1998-07-09
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Best Local Similarity 45.5%; -pred. No. 2.5e+02;
Matches      5; Conservative      6; Mismatches      0; Indels      0; Gaps      0;

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Db      28      EEEVVVGGGRSK 38

RESULT 33
US-09-997-428-359
; Sequence 359, Application US/09997428
; Publication No. US20030027162A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC44
; CURRENT APPLICATION NUMBER: US/09/997,428
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
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;; PRIOR FILING DATE: 1998-07-09

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Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

Db 28 EEVPPGGRSK 38

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US-09-997-666-359

Sequence 359, Application US/09997666

Publication No. US20030027163A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gottard, Audrey

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tamas, Daniel

APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P2730PIC42

CURRENT APPLICATION NUMBER: US/09/997,666

CURRENT FILING DATE: 2001-11-15

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

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PRIOR APPLICATION NUMBER: 60/090252

PRIOR FILING DATE: 1998-06-22

RESULT 35  
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Thu May 29 17:38:57 2003

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RESULT 37
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; Sequence 444, Application US/10174579
; Publication No. US200300272641
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC31
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
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; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-579-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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RESULT 38
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; Publication No. US20030027265A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC36
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-582-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEVPPXXXXXX 11
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Db      28  EEVPPGGGRSK 38

RESULT 39
US-10-174-588-444
; Sequence 444, Application US/10174588
; Publication No. US20030027266A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC28
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-588-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEVPPXXXXXX 11
        |||||:
Db      28  EEVPPGGGRSK 38

RESULT 40
US-10-175-739-444
; Sequence 444, Application US/10175739
; Publication No. US20030027267A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC46
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-739-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEVPPXXXXXX 11
        |||||:
Db      28  EEVPPGGGRSK 38

RESULT 41
US-10-175-739-444
; Sequence 444, Application US/10175739
; Publication No. US20030027267A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC46
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-739-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEVPPXXXXXX 11
        |||||:
Db      28  EEVPPGGGRSK 38

```

QY 1 EEVVPXXXXX 11  
| | | | : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 41

US-10-175-740-444  
; Sequence 444, Application US/10175740  
; Publication No. US20030027268A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C61  
; CURRENT APPLICATION NUMBER: US/10/175,740  
; CURRENT FILING DATE: 2002-06-18  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-175-740-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 42

US-10-175-743-444  
; Sequence 444, Application US/10175743  
; Publication No. US20030027269A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C52  
; CURRENT APPLICATION NUMBER: US/10/175,743  
; CURRENT FILING DATE: 2002-06-16  
; Prior Application Number: 10/052586  
; Prior Filing Date: 2002-01-15  
; Prior Application Number: 60/059263  
; Prior Filing Date: 1997-09-18  
; Prior Application Number: 60/059266  
; Prior Filing Date: 1997-09-18  
; Prior Application Number: 60/062250  
; Prior Filing Date: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063564  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063734  
; PRIOR FILING DATE: 1997-10-29  
; PRIOR APPLICATION NUMBER: 60/063870  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066120  
; PRIOR FILING DATE: 1997-11-21  
; PRIOR APPLICATION NUMBER: 60/066466  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/066772  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/069335  
; PRIOR FILING DATE: 1997-12-11  
; PRIOR APPLICATION NUMBER: 60/069425  
; PRIOR FILING DATE: 1997-12-12  
; PRIOR APPLICATION NUMBER: 60/069870  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/068017  
; PRIOR FILING DATE: 1997-12-18  
; PRIOR APPLICATION NUMBER: 60/077450  
; PRIOR FILING DATE: 1998-03-10  
; PRIOR APPLICATION NUMBER: 60/077632  
; PRIOR FILING DATE: 1998-03-11  
; PRIOR APPLICATION NUMBER: 60/077649  
; PRIOR FILING DATE: 1998-03-11  
; PRIOR APPLICATION NUMBER: 60/078886  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/078939  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079664  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/079786  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/080107  
; PRIOR FILING DATE: 1998-03-31  
; PRIOR APPLICATION NUMBER: 60/080194  
; PRIOR FILING DATE: 1998-03-31  
; PRIOR APPLICATION NUMBER: 60/080327  
; PRIOR FILING DATE: 1998-04-01  
; PRIOR APPLICATION NUMBER: 60/080333  
; PRIOR FILING DATE: 1998-04-01  
; PRIOR APPLICATION NUMBER: 60/081049  
; PRIOR FILING DATE: 1998-04-08  
; PRIOR APPLICATION NUMBER: 60/081070  
; PRIOR FILING DATE: 1998-04-08  
; PRIOR APPLICATION NUMBER: 60/081195  
; PRIOR FILING DATE: 1998-04-09  
; PRIOR APPLICATION NUMBER: 60/081838  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/082568  
; PRIOR FILING DATE: 1998-04-21  
; PRIOR APPLICATION NUMBER: 60/082569  
; PRIOR FILING DATE: 1998-04-21  
; PRIOR APPLICATION NUMBER: 60/082704  
; PRIOR FILING DATE: 1998-04-22  
; PRIOR APPLICATION NUMBER: 60/082797

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; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086023
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086486
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/087098
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087208
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088722
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088740
; PRIOR FILING DATE: 1998-06-10

; PRIOR APPLICATION NUMBER: 60/088811
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088825
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 43
US-10-176-488-444
; Sequence 444, Application US/10176488
; Publication No. US20030027271A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C119
; CURRENT APPLICATION NUMBER: US/10/176,488
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-488-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38
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RESULT 44  
US-10-176-492-444  
; Sequence 444, Application US/10176492  
; Publication No. US20030027272A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C107  
; CURRENT APPLICATION NUMBER: US/10/176,492  
; CURRENT FILING DATE: 2002-06-21  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-492-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

RESULT 45  
US-10-176-747-444  
; Sequence 444, Application US/10176747  
; Publication No. US20030027273A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C92  
; CURRENT APPLICATION NUMBER: US/10/176,747  
; CURRENT FILING DATE: 2002-06-20  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-747-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

RESULT 46  
US-10-176-750-444  
; Sequence 444, Application US/10176750  
; Publication No. US20030027274A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C103  
; CURRENT APPLICATION NUMBER: US/10/176,750  
; CURRENT FILING DATE: 2002-06-21  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-750-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

RESULT 47  
US-10-176-985-444  
; Sequence 444, Application US/10176985  
; Publication No. US20030027277A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C99  
; CURRENT APPLICATION NUMBER: US/10/176,985  
; CURRENT FILING DATE: 2002-06-21  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-985-444

Query Match 100.0%; Score 31; DB 9; Length 135;

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US-10-176-991-444
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
        |||||:~::~:
DB      28 EEVPGGGRSK 38

RESULT 50
US-10-176-992-444
; Sequence 444, Application US/10176992
; Publication No. US20030027279A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C93
; CURRENT APPLICATION NUMBER: US/10/176,992
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-992-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
        |||||:~::~:
DB      28 EEVPGGGRSK 38

US-10-176-993-444
; Sequence 444, Application US/10176993
; Publication No. US20030027280A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C89
; CURRENT APPLICATION NUMBER: US/10/176,993
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444

US-10-176-994-444
; Sequence 444, Application US/10176994
; Publication No. US20030027281A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C94
; CURRENT APPLICATION NUMBER: US/10/176,994
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-994-444

US-10-176-995-444
; Sequence 444, Application US/10176995
; Publication No. US20030027282A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C95
; CURRENT APPLICATION NUMBER: US/10/176,995
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-995-444

US-10-176-996-444
; Sequence 444, Application US/10176996
; Publication No. US20030027283A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C96
; CURRENT APPLICATION NUMBER: US/10/176,996
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-996-444

US-10-176-997-444
; Sequence 444, Application US/10176997
; Publication No. US20030027284A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C97
; CURRENT APPLICATION NUMBER: US/10/176,997
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-997-444

US-10-176-998-444
; Sequence 444, Application US/10176998
; Publication No. US20030027285A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C98
; CURRENT APPLICATION NUMBER: US/10/176,998
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-998-444

US-10-176-999-444
; Sequence 444, Application US/10176999
; Publication No. US20030027286A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C99
; CURRENT APPLICATION NUMBER: US/10/176,999
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-999-444

US-10-176-1000-444
; Sequence 444, Application US/10177000
; Publication No. US20030027287A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C100
; CURRENT APPLICATION NUMBER: US/10/177,000
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-1000-444

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; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-993-444

Query Match
  100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 52
US-10-184-658-444
; Sequence 444, Application US/10184658
; Publication No. US20030027281A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C228
; CURRENT APPLICATION NUMBER: US/10/184,658
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-658-444

Query Match
  100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 53
US-10-227-884-108
; Sequence 108, Application US/10227884
; Publication No. US20030027988A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC79
; CURRENT APPLICATION NUMBER: US/10/227,884
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
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; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR FILING DATE: 1998-05-22
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; PRIOR APPLICATION NUMBER: 60/089538
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; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
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audet-909164-5.dx-anysize600.rapb

Thu May 29 17:38:57 2003

;; PRIOR FILING DATE: 1998-09-10  
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;; PRIOR APPLICATION NUMBER: 60/123618  
;; PRIOR FILING DATE: 1999-03-10  
;; PRIOR APPLICATION NUMBER: 60/125259  
;; PRIOR FILING DATE: 1999-03-19  
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;; PRIOR FILING DATE: 1999-03-23  
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;; PRIOR FILING DATE: 1999-03-29  
;; PRIOR APPLICATION NUMBER: 60/127887  
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;; PRIOR APPLICATION NUMBER: 60/131291  
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;; PRIOR FILING DATE: 1999-04-28  
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;; PRIOR FILING DATE: 1999-11-09  
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;; PRIOR FILING DATE: 1999-11-16  
;; PRIOR APPLICATION NUMBER: 60/169445  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169495  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EEVVPXXXXX 11  
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Db 28 EEVVPGGGRSK 38

RESULT 54  
US-09-990-711-359  
; Sequence 359, Application US/09990711  
; Publication No. US20030032023A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730F1C2  
CURRENT APPLICATION NUMBER: US/09/990,711  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
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PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
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PRIOR FILING DATE: 1998-04-28  
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PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090690  
PRIOR FILING DATE: 1998-06-25

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5: Conservative 6; Mismatches 0; Indels

QY 1 EEVVPXXXXXX 11  
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Db 28 EEVVPGGGRSK 38

## RESULT 58

US-10-174-576-444  
; Sequence 444, Application US/10174576  
; Publication No. US20030032104A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC23  
; CURRENT APPLICATION NUMBER: US/10/174,576  
; PRIOR FILING DATE: 2002-06-18  
; PRIOR APPLICATION removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-174-576-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 28 EEVVPGGGRSK 38

## RESULT 59

US-10-174-585-444  
; Sequence 444, Application US/10174585  
; Publication No. US20030032105A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC37  
; CURRENT APPLICATION NUMBER: US/10/174,585  
; PRIOR FILING DATE: 2002-06-18  
; PRIOR APPLICATION removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-174-585-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:~|:~|:~|:~|:~|:  
Db 28 EEVVPGGGRSK 38

## RESULT 60

US-10-174-586-444  
; Sequence 444, Application US/10174586  
; Publication No. US20030032106A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC24  
; CURRENT APPLICATION NUMBER: US/10/174,586  
; PRIOR FILING DATE: 2002-06-18  
; PRIOR APPLICATION removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-174-586-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:~|:~|:~|:~|:~|:  
Db 28 EEVVPGGGRSK 38

## RESULT 61

US-10-175-747-444  
; Sequence 444, Application US/10175747  
; Publication No. US20030032107A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC44  
; CURRENT APPLICATION NUMBER: US/10/175,747  
; PRIOR FILING DATE: 2002-06-19  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266

1 PRIOR FILING DATE: 1997-09-18  
2 PRIOR APPLICATION NUMBER: 60/062250  
3 PRIOR FILING DATE: 1997-10-17  
4 PRIOR APPLICATION NUMBER: 60/063120  
5 PRIOR FILING DATE: 1997-10-24  
6 PRIOR APPLICATION NUMBER: 60/063121  
7 PRIOR FILING DATE: 1997-10-24  
8 PRIOR APPLICATION NUMBER: 60/063486  
9 PRIOR FILING DATE: 1997-10-21  
10 PRIOR APPLICATION NUMBER: 60/063540  
11 PRIOR FILING DATE: 1997-10-28  
12 PRIOR APPLICATION NUMBER: 60/063541  
13 PRIOR FILING DATE: 1997-10-28  
14 PRIOR APPLICATION NUMBER: 60/063544  
15 PRIOR FILING DATE: 1997-10-28  
16 PRIOR APPLICATION NUMBER: 60/063564  
17 PRIOR FILING DATE: 1997-10-28  
18 PRIOR APPLICATION NUMBER: 60/063734  
19 PRIOR FILING DATE: 1997-10-29  
20 PRIOR APPLICATION NUMBER: 60/063870  
21 PRIOR FILING DATE: 1997-10-31  
22 PRIOR APPLICATION NUMBER: 60/064103  
23 PRIOR FILING DATE: 1997-10-31  
24 PRIOR APPLICATION NUMBER: 60/065311  
25 PRIOR FILING DATE: 1997-11-13  
26 PRIOR APPLICATION NUMBER: 60/066120  
27 PRIOR FILING DATE: 1997-11-21  
28 PRIOR APPLICATION NUMBER: 60/066466  
29 PRIOR FILING DATE: 1997-11-24  
30 PRIOR APPLICATION NUMBER: 60/066772  
31 PRIOR FILING DATE: 1997-11-24  
32 PRIOR APPLICATION NUMBER: 60/069335  
33 PRIOR FILING DATE: 1997-12-11  
34 PRIOR APPLICATION NUMBER: 60/069425  
35 PRIOR FILING DATE: 1997-12-12  
36 PRIOR APPLICATION NUMBER: 60/069870  
37 PRIOR FILING DATE: 1997-12-17  
38 PRIOR APPLICATION NUMBER: 60/068017  
39 PRIOR FILING DATE: 1997-12-18  
40 PRIOR APPLICATION NUMBER: 60/077450  
41 PRIOR FILING DATE: 1998-03-10  
42 PRIOR APPLICATION NUMBER: 60/077632  
43 PRIOR FILING DATE: 1998-03-11  
44 PRIOR APPLICATION NUMBER: 60/077649  
45 PRIOR FILING DATE: 1998-03-11  
46 PRIOR APPLICATION NUMBER: 60/078886  
47 PRIOR FILING DATE: 1998-03-20  
48 PRIOR APPLICATION NUMBER: 60/078939  
49 PRIOR FILING DATE: 1998-03-20  
50 PRIOR APPLICATION NUMBER: 60/079664  
51 PRIOR FILING DATE: 1998-03-27  
52 PRIOR APPLICATION NUMBER: 60/079786  
53 PRIOR FILING DATE: 1998-03-27  
54 PRIOR APPLICATION NUMBER: 60/080107  
55 PRIOR FILING DATE: 1998-03-31  
56 PRIOR APPLICATION NUMBER: 60/080194  
57 PRIOR FILING DATE: 1998-03-31  
58 PRIOR APPLICATION NUMBER: 60/080327  
59 PRIOR FILING DATE: 1998-04-01  
60 PRIOR APPLICATION NUMBER: 60/080333  
61 PRIOR FILING DATE: 1998-04-01  
62 PRIOR APPLICATION NUMBER: 60/081049  
63 PRIOR FILING DATE: 1998-04-08  
64 PRIOR APPLICATION NUMBER: 60/081070  
65 PRIOR FILING DATE: 1998-04-08  
66 PRIOR APPLICATION NUMBER: 60/081195  
67 PRIOR FILING DATE: 1998-04-09  
68 PRIOR APPLICATION NUMBER: 60/081838  
69 PRIOR FILING DATE: 1998-04-15  
70 PRIOR APPLICATION NUMBER: 60/082568  
71 PRIOR FILING DATE: 1998-04-21  
72 PRIOR APPLICATION NUMBER: 60/082569  
73 PRIOR FILING DATE: 1998-04-21  
74 PRIOR APPLICATION NUMBER: 60/082704  
75 PRIOR FILING DATE: 1998-04-22  
76 PRIOR APPLICATION NUMBER: 60/082797  
77 PRIOR FILING DATE: 1998-04-22  
78 PRIOR APPLICATION NUMBER: 60/083322  
79 PRIOR FILING DATE: 1998-04-28  
80 PRIOR APPLICATION NUMBER: 60/083495  
81 PRIOR FILING DATE: 1998-04-29  
82 PRIOR APPLICATION NUMBER: 60/083496  
83 PRIOR FILING DATE: 1998-04-29  
84 PRIOR APPLICATION NUMBER: 60/083499  
85 PRIOR FILING DATE: 1998-04-29  
86 PRIOR APPLICATION NUMBER: 60/083559  
87 PRIOR FILING DATE: 1998-04-29  
88 PRIOR APPLICATION NUMBER: 60/084366  
89 PRIOR FILING DATE: 1998-05-05  
90 PRIOR APPLICATION NUMBER: 60/084414  
91 PRIOR FILING DATE: 1998-05-06  
92 PRIOR APPLICATION NUMBER: 60/084639  
93 PRIOR FILING DATE: 1998-05-07  
94 PRIOR APPLICATION NUMBER: 60/084640  
95 PRIOR FILING DATE: 1998-05-07  
96 PRIOR APPLICATION NUMBER: 60/084643  
97 PRIOR FILING DATE: 1998-05-07  
98 PRIOR APPLICATION NUMBER: 60/085573  
99 PRIOR FILING DATE: 1998-05-15  
100 PRIOR APPLICATION NUMBER: 60/085579  
101 PRIOR FILING DATE: 1998-05-15  
102 PRIOR APPLICATION NUMBER: 60/085580  
103 PRIOR FILING DATE: 1998-05-15  
104 PRIOR APPLICATION NUMBER: 60/085582  
105 PRIOR FILING DATE: 1998-05-15  
106 PRIOR APPLICATION NUMBER: 60/085700  
107 PRIOR FILING DATE: 1998-05-15  
108 PRIOR APPLICATION NUMBER: 60/086023  
109 PRIOR FILING DATE: 1998-05-18  
110 PRIOR APPLICATION NUMBER: 60/086392  
111 PRIOR FILING DATE: 1998-05-22  
112 PRIOR APPLICATION NUMBER: 60/086486  
113 PRIOR FILING DATE: 1998-05-22  
114 PRIOR APPLICATION NUMBER: 60/087098  
115 PRIOR FILING DATE: 1998-05-28  
116 PRIOR APPLICATION NUMBER: 60/087208  
117 PRIOR FILING DATE: 1998-05-28  
118 PRIOR APPLICATION NUMBER: 60/087609  
119 PRIOR FILING DATE: 1998-06-02  
120 PRIOR APPLICATION NUMBER: 60/087759  
121 PRIOR FILING DATE: 1998-06-02  
122 PRIOR APPLICATION NUMBER: 60/087827  
123 PRIOR FILING DATE: 1998-06-03  
124 PRIOR APPLICATION NUMBER: 60/088025  
125 PRIOR FILING DATE: 1998-06-04  
126 PRIOR APPLICATION NUMBER: 60/088028  
127 PRIOR FILING DATE: 1998-06-04  
128 PRIOR APPLICATION NUMBER: 60/088029  
129 PRIOR FILING DATE: 1998-06-04  
130 PRIOR APPLICATION NUMBER: 60/088033  
131 PRIOR FILING DATE: 1998-06-04  
132 PRIOR APPLICATION NUMBER: 60/088167  
133 PRIOR FILING DATE: 1998-06-05  
134 PRIOR APPLICATION NUMBER: 60/088202  
135 PRIOR FILING DATE: 1998-06-05  
136 PRIOR APPLICATION NUMBER: 60/088212  
137 PRIOR FILING DATE: 1998-06-05  
138 PRIOR APPLICATION NUMBER: 60/088217  
139 PRIOR FILING DATE: 1998-06-05  
140 PRIOR APPLICATION NUMBER: 60/088326  
141 PRIOR FILING DATE: 1998-06-04  
142 PRIOR APPLICATION NUMBER: 60/088655  
143 PRIOR FILING DATE: 1998-06-09  
144 PRIOR APPLICATION NUMBER: 60/088722  
145 PRIOR FILING DATE: 1998-06-10  
146 PRIOR APPLICATION NUMBER: 60/088738  
147 PRIOR FILING DATE: 1998-06-10

; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088740.  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088811  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088824  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088825  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088826  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088861  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088863  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088876  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/089090  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089105  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089512  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089514  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089538  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089598  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 Db 28 EEVPPGGGRSK 38

## RESULT 62

US-10-176-481-444  
 ; Sequence 444, Application US/10176481  
 ; Publication No. US20030032109A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C98  
 ; CURRENT APPLICATION NUMBER: US/10/176,481  
 ; PRIOR FILING DATE: 2002-06-21  
 ; Prior application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-176-481-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 Db 28 EEVPPGGGRSK 38

## RESULT 63

US-10-176-485-444  
 ; Sequence 444, Application US/10176485  
 ; Publication No. US20030032109A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C78  
 ; CURRENT APPLICATION NUMBER: US/10/176,485  
 ; PRIOR FILING DATE: 2002-06-20  
 ; Prior application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-176-485-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 Db 28 EEVPPGGGRSK 38

## RESULT 64

US-10-176-487-444  
 ; Sequence 444, Application US/10176487  
 ; Publication No. US20030032110A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C74  
 ; CURRENT APPLICATION NUMBER: US/10/176,487  
 ; PRIOR FILING DATE: 2002-06-20  
 ; Prior application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-176-487-444

Query Match 100.0%; Score 31; DB 9; Length 135;

RESULT 66  
US-10-176-444  
; Sequence 444, Application US/10176756  
; Publication No. US2003032112A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C109  
; CURRENT APPLICATION NUMBER: US/10/176,756  
; CURRENT FILING DATE: 2002-06-21  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien

; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-919-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:||||:

## RESULT 69

US-10-176-925-444  
; Sequence 444, Application US/10176925  
; Publication No. US20030032115A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC94  
; CURRENT APPLICATION NUMBER: US/10/176,925

; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien

US-10-176-925-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:||||:

## RESULT 70

US-10-176-978-444  
; Sequence 444, Application US/10176978  
; Publication No. US20030032116A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC116  
; CURRENT APPLICATION NUMBER: US/10/176,978

; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien

; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-978-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:||||:

## RESULT 71

US-10-179-510-444  
; Sequence 444, Application US/10179510  
; Publication No. US20030032117A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC138  
; CURRENT APPLICATION NUMBER: US/10/179,510

; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien

US-10-179-510-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:||||:

## RESULT 72

US-10-180-543-444

; Sequence 444, Application US/10180543  
; Publication No. US20030032118A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; ACIDS ENCODING THE SAME



Query Match	Best Local Similarity	Score	DB	Length	Mismatches	Indels	Gaps
100.0%;	45.5%;	31;	DB 9;	Length 135;	0;	0;	0;
5;	Conservative	6;	Mismatches	0;	Indels	0;	Gaps
1	EEVVPXXXXX 11						
28	EEVPGGGRSK 38						
<p>US-10-180-544-444</p> <p>Sequence 444, Application US/10180544</p> <p>Publication No. US20030032119A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Baker, Kevin P.</p> <p>APPLICANT: Chen, Jian</p> <p>APPLICANT: Desnoyers, Luc</p> <p>APPLICANT: Goddard, Audrey</p> <p>APPLICANT: Godowski, Paul J.</p> <p>APPLICANT: Gurney, Austin L.</p> <p>APPLICANT: Pan, James</p> <p>APPLICANT: Smith, Victoria</p> <p>APPLICANT: Watanabe, Colin K.</p> <p>APPLICANT: Wood, William I.</p> <p>APPLICANT: Zhang, Zemin</p> <p>TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC</p> <p>FILE REFERENCE: P3430R1C150</p> <p>CURRENT APPLICATION NUMBER: US/10/180,544</p> <p>CURRENT FILING DATE: 2002-06-25</p> <p>Prior Application removed - See File Wrapper or Palm</p> <p>NUMBER OF SEQ ID NOS: 612</p> <p>SEQ ID NO 444</p> <p>LENGTH: 135</p> <p>TYPE: PRT</p> <p>ORGANISM: Homo Sapien</p> <p>US-10-180-544-444</p>							
Query Match	Best Local Similarity	Score	DB	Length	Mismatches	Indels	Gaps
100.0%;	45.5%;	31;	DB 9;	Length 135;	0;	0;	0;
5;	Conservative	6;	Mismatches	0;	Indels	0;	Gaps
1	EEVVPXXXXX 11						
28	EEVPGGGRSK 38						
<p>US-10-180-544-444</p> <p>Sequence 444, Application US/10180544</p> <p>Publication No. US20030032119A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Baker, Kevin P.</p> <p>APPLICANT: Chen, Jian</p> <p>APPLICANT: Desnoyers, Luc</p> <p>APPLICANT: Goddard, Audrey</p> <p>APPLICANT: Godowski, Paul J.</p> <p>APPLICANT: Gurney, Austin L.</p> <p>APPLICANT: Pan, James</p> <p>APPLICANT: Smith, Victoria</p> <p>APPLICANT: Watanabe, Colin K.</p> <p>APPLICANT: Wood, William I.</p> <p>APPLICANT: Zhang, Zemin</p> <p>TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC</p> <p>FILE REFERENCE: P3430R1C150</p> <p>CURRENT APPLICATION NUMBER: US/10/180,544</p> <p>CURRENT FILING DATE: 2002-06-25</p> <p>Prior Application removed - See File Wrapper or Palm</p> <p>NUMBER OF SEQ ID NOS: 612</p> <p>SEQ ID NO 444</p> <p>LENGTH: 135</p> <p>TYPE: PRT</p> <p>ORGANISM: Homo Sapien</p> <p>US-10-180-544-444</p>							
Query Match	Best Local Similarity	Score	DB	Length	Mismatches	Indels	Gaps
100.0%;	45.5%;	31;	DB 9;	Length 135;	0;	0;	0;
5;	Conservative	6;	Mismatches	0;	Indels	0;	Gaps
1	EEVVPXXXXX 11						
28	EEVPGGGRSK 38						
<p>US-10-180-546-444</p> <p>Sequence 444, Application US/10180546</p> <p>Publication No. US20030032120A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Baker, Kevin P.</p> <p>APPLICANT: Chen, Jian</p> <p>APPLICANT: Desnoyers, Luc</p> <p>APPLICANT: Goddard, Audrey</p> <p>APPLICANT: Godowski, Paul J.</p> <p>APPLICANT: Gurney, Austin L.</p> <p>APPLICANT: Pan, James</p> <p>APPLICANT: Smith, Victoria</p> <p>APPLICANT: Watanabe, Colin K.</p> <p>APPLICANT: Wood, William I.</p> <p>APPLICANT: Zhang, Zemin</p> <p>TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC</p> <p>FILE REFERENCE: P3430R1C157</p> <p>CURRENT APPLICATION NUMBER: US/10/180,547</p> <p>CURRENT FILING DATE: 2002-06-25</p> <p>Prior Application removed - See File Wrapper or Palm</p> <p>NUMBER OF SEQ ID NOS: 612</p> <p>SEQ ID NO 444</p> <p>LENGTH: 135</p> <p>TYPE: PRT</p> <p>ORGANISM: Homo Sapien</p> <p>US-10-180-547-444</p>							
Query Match	Best Local Similarity	Score	DB	Length	Mismatches	Indels	Gaps
100.0%;	45.5%;	31;	DB 9;	Length 135;	0;	0;	0;
5;	Conservative	6;	Mismatches	0;	Indels	0;	Gaps
1	EEVVPXXXXX 11						
28	EEVPGGGRSK 38						
<p>US-10-180-549-444</p> <p>Sequence 444, Application US/10180549</p> <p>Publication No. US20030032122A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Baker, Kevin P.</p> <p>APPLICANT: Chen, Jian</p> <p>APPLICANT: Desnoyers, Luc</p> <p>APPLICANT: Goddard, Audrey</p> <p>APPLICANT: Godowski, Paul J.</p> <p>APPLICANT: Gurney, Austin L.</p> <p>APPLICANT: Pan, James</p> <p>APPLICANT: Smith, Victoria</p> <p>APPLICANT: Watanabe, Colin K.</p> <p>APPLICANT: Wood, William I.</p> <p>APPLICANT: Zhang, Zemin</p> <p>TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC</p> <p>FILE REFERENCE: P3430R1C157</p> <p>CURRENT APPLICATION NUMBER: US/10/180,547</p> <p>CURRENT FILING DATE: 2002-06-25</p> <p>Prior Application removed - See File Wrapper or Palm</p> <p>NUMBER OF SEQ ID NOS: 612</p> <p>SEQ ID NO 444</p> <p>LENGTH: 135</p> <p>TYPE: PRT</p> <p>ORGANISM: Homo Sapien</p> <p>US-10-180-549-444</p>							
Query Match	Best Local Similarity	Score	DB	Length	Mismatches	Indels	Gaps
100.0%;	45.5%;	31;	DB 9;	Length 135;	0;	0;	0;
5;	Conservative	6;	Mismatches	0;	Indels	0;	Gaps
1	EEVVPXXXXX 11						
28	EEVPGGGRSK 38						
<p>US-10-180-549-444</p> <p>Sequence 444, Application US/10180549</p> <p>Publication No. US20030032122A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Baker, Kevin P.</p> <p>APPLICANT: Chen, Jian</p> <p>APPLICANT: Desnoyers, Luc</p> <p>APPLICANT: Goddard, Audrey</p> <p>APPLICANT: Godowski, Paul J.</p> <p>APPLICANT: Gurney, Austin L.</p> <p>APPLICANT: Pan, James</p> <p>APPLICANT: Smith, Victoria</p> <p>APPLICANT: Watanabe, Colin K.</p> <p>APPLICANT: Wood, William I.</p> <p>APPLICANT: Zhang, Zemin</p> <p>TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC</p> <p>FILE REFERENCE: P3430R1C157</p> <p>CURRENT APPLICATION NUMBER: US/10/180,547</p> <p>CURRENT FILING DATE: 2002-06-25</p> <p>Prior Application removed - See File Wrapper or Palm</p> <p>NUMBER OF SEQ ID NOS: 612</p> <p>SEQ ID NO 444</p> <p>LENGTH: 135</p> <p>TYPE: PRT</p> <p>ORGANISM: Homo Sapien</p> <p>US-10-180-549-444</p>							

; APPLICANT: Smith,Victoria  
; APPLICANT: Watanabe,Colin K.  
; APPLICANT: Wood,William I.  
; APPLICANT: Zhang,Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C151  
; CURRENT APPLICATION NUMBER: US/10/180,549  
; Prior application removed - See file Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-549-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|||||

RESULT 77  
US-10-180-555-444  
; Sequence 444, Application US/10180555  
; Publication No. US20030032123A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C163  
; CURRENT APPLICATION NUMBER: US/10/180,555  
; Prior application removed - See file Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-555-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|||||

RESULT 78  
US-10-180-559-444  
; Sequence 444, Application US/10180559  
; Publication No. US20030032124A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C159  
; CURRENT APPLICATION NUMBER: US/10/180,559  
; Prior application removed - See file Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-559-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|||||

RESULT 79  
US-10-181-000-444  
; Sequence 444, Application US/10181000  
; Publication No. US20030032125A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C177  
; CURRENT APPLICATION NUMBER: US/10/181,000  
; Prior application removed - See file Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-181-000-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|||||

RESULT 80  
US-10-183-010-444  
; Sequence 444, Application US/10183010  
; Publication No. US20030032126A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.

Thu May 29 17:38:57 2003

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APPLICANT: Chen, Jian	APPLICANT: Desnoyers, Luc	APPLICANT: Goddard, Audrey	APPLICANT: Godowski, Paul J.	APPLICANT: Gurney, Austin L.	APPLICANT: Pan, James	APPLICANT: Smith, Victoria	APPLICANT: Watanabe, Colin K.	APPLICANT: Wood, William I.	APPLICANT: Zhang, Zemin	TITLE OF INVENTION: SECRETED AND TRANSMEMERANE POLYPEPTIDES AND NUCLEIC																										
APPLICANT: Desnoyers, Luc	APPLICANT: Goddard, Audrey	APPLICANT: Godowski, Paul J.	APPLICANT: Gurney, Austin L.	APPLICANT: Pan, James	APPLICANT: Smith, Victoria	APPLICANT: Watanabe, Colin K.	APPLICANT: Wood, William I.	APPLICANT: Zhang, Zemin	TITLE OF INVENTION: ACIDS ENCODING THE SAME																											
FILE REFERENCE: P3430R1C164	CURRENT APPLICATION NUMBER: US/10/183.010	CURRENT FILING DATE: 2002-06-26	Prior Application removed - See File Wrapper or Palm	NUMBER OF SEQ ID NOS: 612	SEQ ID NO 444	LENGTH: 135	TYPE: PRT	ORGANISM: Homo Sapien	US-10-183-010-444																											
Query Match	100.0%; Score 31; DB 9; Length 135;	Best Local Similarity	45.5%; Pred. No. 2.5e+02;	Mismatches	6; Mismatches	0; Indels	0; Gaps	0;																												
Matches	5; Conservative	6; Mismatches	0; Indels	0; Gaps	0;																															
QY	1 EEVVPXXXXX 11	: : : :																																		
Ddb	28 EEVVPGGGRSK 38																																			
RESULT 81	US-10-183-012-444	Sequence 444, Application US/10183012	Publication No. US20030032127A1	GENERAL INFORMATION:	APPLICANT: Baker, Kevin P.	APPLICANT: Chen, Jian	APPLICANT: Desnoyers, Luc	APPLICANT: Goddard, Audrey	APPLICANT: Godowski, Paul J.	APPLICANT: Gurney, Austin L.	APPLICANT: Pan, James	APPLICANT: Smith, Victoria	APPLICANT: Watanabe, Colin K.	APPLICANT: Wood, William I.	APPLICANT: Zhang, Zemin	TITLE OF INVENTION: SECRETED AND TRANSMEMERANE POLYPEPTIDES AND NUCLEIC																				
APPLICANT: Baker, Kevin P.	APPLICANT: Chen, Jian	APPLICANT: Desnoyers, Luc	APPLICANT: Goddard, Audrey	APPLICANT: Godowski, Paul J.	APPLICANT: Gurney, Austin L.	APPLICANT: Pan, James	APPLICANT: Smith, Victoria	APPLICANT: Watanabe, Colin K.	APPLICANT: Wood, William I.	APPLICANT: Zhang, Zemin	TITLE OF INVENTION: ACIDS ENCODING THE SAME	FILE REFERENCE: P3430R1C171	CURRENT APPLICATION NUMBER: US/10/183.012	CURRENT FILING DATE: 2002-06-26	Prior Application Number: 60/052586	Prior Filing Date: 2002-01-15	Prior Application Number: 60/059263	Prior Filing Date: 1997-09-18	Prior Application Number: 60/059266	Prior Filing Date: 1997-09-18	Prior Application Number: 60/062250	Prior Filing Date: 1997-10-17	Prior Application Number: 60/063120	Prior Filing Date: 1997-10-24	Prior Application Number: 60/063121	Prior Filing Date: 1997-10-24	Prior Application Number: 60/063486	Prior Filing Date: 1997-10-21	Prior Application Number: 60/063540	Prior Filing Date: 1997-10-28	Prior Application Number: 60/063541	Prior Filing Date: 1997-10-28	Prior Application Number: 60/063544	Prior Filing Date: 1997-10-28	Prior Application Number: 60/084366	Prior Filing Date: 1997-10-28
APPLICANT: Baker, Kevin P.	APPLICANT: Chen, Jian	APPLICANT: Desnoyers, Luc	APPLICANT: Goddard, Audrey	APPLICANT: Godowski, Paul J.	APPLICANT: Gurney, Austin L.	APPLICANT: Pan, James	APPLICANT: Smith, Victoria	APPLICANT: Watanabe, Colin K.	APPLICANT: Wood, William I.	APPLICANT: Zhang, Zemin	TITLE OF INVENTION: SECRETED AND TRANSMEMERANE POLYPEPTIDES AND NUCLEIC	FILE REFERENCE: P3430R1C171	CURRENT APPLICATION NUMBER: US/10/183.012	CURRENT FILING DATE: 2002-06-26	Prior Application Number: 60/052586	Prior Filing Date: 2002-01-15	Prior Application Number: 60/059263	Prior Filing Date: 1997-09-18	Prior Application Number: 60/059266	Prior Filing Date: 1997-09-18	Prior Application Number: 60/062250	Prior Filing Date: 1997-10-17	Prior Application Number: 60/063120	Prior Filing Date: 1997-10-24	Prior Application Number: 60/063121	Prior Filing Date: 1997-10-24	Prior Application Number: 60/063486	Prior Filing Date: 1997-10-21	Prior Application Number: 60/063540	Prior Filing Date: 1997-10-28	Prior Application Number: 60/063541	Prior Filing Date: 1997-10-28	Prior Application Number: 60/063544	Prior Filing Date: 1997-10-28	Prior Application Number: 60/084366	Prior Filing Date: 1997-10-28
APPLICANT: Baker, Kevin P.	APPLICANT: Chen, Jian	APPLICANT: Desnoyers, Luc	APPLICANT: Goddard, Audrey	APPLICANT: Godowski, Paul J.	APPLICANT: Gurney, Austin L.	APPLICANT: Pan, James	APPLICANT: Smith, Victoria	APPLICANT: Watanabe, Colin K.	APPLICANT: Wood, William I.	APPLICANT: Zhang, Zemin	TITLE OF INVENTION: SECRETED AND TRANSMEMERANE POLYPEPTIDES AND NUCLEIC	FILE REFERENCE: P3430R1C171	CURRENT APPLICATION NUMBER: US/10/183.012	CURRENT FILING DATE: 2002-06-26	Prior Application Number: 60/052586	Prior Filing Date: 2002-01-15	Prior Application Number: 60/059263	Prior Filing Date: 1997-09-18	Prior Application Number: 60/059266	Prior Filing Date: 1997-09-18	Prior Application Number: 60/062250	Prior Filing Date: 1997-10-17	Prior Application Number: 60/063120	Prior Filing Date: 1997-10-24	Prior Application Number: 60/063121	Prior Filing Date: 1997-10-24	Prior Application Number: 60/063486	Prior Filing Date: 1997-10-21	Prior Application Number: 60/063540	Prior Filing Date: 1997-10-28	Prior Application Number: 60/063541	Prior Filing Date: 1997-10-28	Prior Application Number: 60/063544	Prior Filing Date: 1997-10-28	Prior Application Number: 60/084366	Prior Filing Date: 1997-10-28
APPLICANT: Baker, Kevin P.	APPLICANT: Chen, Jian	APPLICANT: Desnoyers, Luc	APPLICANT: Goddard, Audrey	APPLICANT: Godowski, Paul J.	APPLICANT: Gurney, Austin L.	APPLICANT: Pan, James	APPLICANT: Smith, Victoria	APPLICANT: Watanabe, Colin K.	APPLICANT: Wood, William I.	APPLICANT: Zhang, Zemin	TITLE OF INVENTION: SECRETED AND TRANSMEMERANE POLYPEPTIDES AND NUCLEIC	FILE REFERENCE: P3430R1C171	CURRENT APPLICATION NUMBER: US/10/183.012	CURRENT FILING DATE: 2002-06-26	Prior Application Number: 60/052586	Prior Filing Date: 2002-01-15	Prior Application Number: 60/059263	Prior Filing Date: 1997-09-18	Prior Application Number: 60/059266	Prior Filing Date: 1997-09-18	Prior Application Number: 60/062250	Prior Filing Date: 1997-10-17	Prior Application Number: 60/063120	Prior Filing Date: 1997-10-24	Prior Application Number: 60/063121	Prior Filing Date: 1997-10-24	Prior Application Number: 60/063486	Prior Filing Date: 1997-10-21	Prior Application Number: 60/063540	Prior Filing Date: 1997-10-28	Prior Application Number: 60/063541	Prior Filing Date: 1997-10-28	Prior Application Number: 60/063544	Prior Filing Date: 1997-10-28	Prior Application Number: 60/084366	Prior Filing Date: 1997-10-28
APPLICANT: Baker, Kevin P.	APPLICANT: Chen, Jian	APPLICANT: Desnoyers, Luc	APPLICANT: Goddard, Audrey	APPLICANT: Godowski, Paul J.	APPLICANT: Gurney, Austin L.	APPLICANT: Pan, James	APPLICANT: Smith, Victoria	APPLICANT: Watanabe, Colin K.	APPLICANT: Wood, William I.	APPLICANT: Zhang, Zemin	TITLE OF INVENTION: SECRETED AND TRANSMEMERANE POLYPEPTIDES AND NUCLEIC	FILE REFERENCE: P3430R1C171	CURRENT APPLICATION NUMBER: US/10/183.012	CURRENT FILING DATE: 2002-06-26	Prior Application Number: 60/052586	Prior Filing Date: 2002-01-15	Prior Application Number: 60/059263	Prior Filing Date: 1997-09-18																		

;; PRIOR FILING DATE: 1998-05-05  
;; PRIOR APPLICATION NUMBER: 60/084414  
;; PRIOR FILING DATE: 1998-05-06  
;; PRIOR APPLICATION NUMBER: 60/084639  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084640  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084643  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/085573  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085579  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085580  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085582  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085700  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/086023  
;; PRIOR FILING DATE: 1998-05-18  
;; PRIOR APPLICATION NUMBER: 60/086392  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/086486  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/087098  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087208  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
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;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088722  
;; PRIOR FILING DATE: 1998-06-10  
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;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088740  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088811  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088825  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088863  
;; PRIOR FILING DATE: 1998-06-11

;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089090  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|:|:|

## RESULT 82

US-10-184-614-444  
; Sequence 444, Application US/10184614  
; Publication No. US20030032128A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C184  
; CURRENT APPLICATION NUMBER: US/10/184, 614  
; PRIOR FILING DATE: 2225-06-27  
; PRIOR APPLICATION removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-614-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|:|:|

## RESULT 83

US-10-184-623-444  
; Sequence 444, Application US/10184623  
; Publication No. US20030032129A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.

1

10

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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C212
; CURRENT APPLICATION NUMBER: US/10/184,647
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-647-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 88

```

US-10-184-652-444
; Sequence 444, Application US/10184652
; Publication No. US20030032134A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C187
; CURRENT APPLICATION NUMBER: US/10/184,652
; CURRENT FILING DATE: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-652-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 89

```

US-10-187-594-444
; Sequence 444, Application US/10187594
; Publication No. US20030032135A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C250
; CURRENT APPLICATION NUMBER: US/10/187,594
; CURRENT FILING DATE: 2002-07-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-594-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 90

```

US-10-187-596-444
; Sequence 444, Application US/10187596
; Publication No. US20030032136A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C243
; CURRENT APPLICATION NUMBER: US/10/187,596
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-596-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

audet-909164-5.dx-anysize600.rapb

Thu May 29 17:38:57 2003

QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 28 EEVPGGGRSK 38

RESULT 93  
 US-10-187-886-444  
 ; Sequence 444, Application US/10187886  
 ; Publication No. US20030032139A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C237  
 ; CURRENT APPLICATION NUMBER: US/10/187,886  
 ; CURRENT FILING DATE: 2002-07-01  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-187-886-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 28 EEVPGGGRSK 38

RESULT 94  
 US-10-199-464-444  
 ; Sequence 444, Application US/10199464  
 ; Publication No. US20030032140A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C405  
 ; CURRENT APPLICATION NUMBER: US/10/199,464  
 ; CURRENT FILING DATE: 2002-07-19  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-187-885-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

RESULT 91  
 US-10-187-745-444  
 ; Sequence 444, Application US/10187745  
 ; Publication No. US20030032137A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C247  
 ; CURRENT APPLICATION NUMBER: US/10/187,745  
 ; CURRENT FILING DATE: 2002-07-02  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-187-745-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:~|:|:|:  
 Db 28 EEVPGGGRSK 38

RESULT 92  
 US-10-187-885-444  
 ; Sequence 444, Application US/10187885  
 ; Publication No. US20030032138A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C231  
 ; CURRENT APPLICATION NUMBER: US/10/187,885  
 ; CURRENT FILING DATE: 2002-07-02  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-187-885-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-464-444

```

```

Query Match          100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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```

Qy      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

```

RESULT 95
US-10-176-751-444
; Sequence 444, Application US/10176751
; Publication No. US20030036117A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C111
; CURRENT APPLICATION NUMBER: US/10/176,751
; PRIOR FILING DATE: 2002-06-21
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-751-444

```

```

Query Match          100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

```

RESULT 96
US-10-176-760-444
; Sequence 444, Application US/10176760
; Publication No. US20030036118A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian

```

```

; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C114
; CURRENT APPLICATION NUMBER: US/10/176,760
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-760-444

```

```

Query Match          100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

```

RESULT 97
US-10-176-990-444
; Sequence 444, Application US/10176990
; Publication No. US20030036119A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C90
; CURRENT APPLICATION NUMBER: US/10/176,990
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-990-444

```

```

Query Match          100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

```

RESULT 98
US-10-180-541-444
; Sequence 444, Application US/10180541
; Publication No. US20030036120A1

```



## ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C154  
 ; CURRENT APPLICATION NUMBER: US/10/180,541  
 ; CURRENT FILING DATE: 2002-06-25  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-180-541-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 28 EEVPGGGRSK 38

## RESULT 99

## US-10-180-542-444

; Sequence 444, Application US/10180542  
 ; Publication No. US20030036121A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C155  
 ; CURRENT APPLICATION NUMBER: US/10/180,542  
 ; CURRENT FILING DATE: 2002-06-25  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-180-542-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 28 EEVPGGGRSK 38

## RESULT 100

## US-10-180-548-444

; Sequence 444, Application US/10180548  
 ; Publication No. US20030036122A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C144  
 ; CURRENT APPLICATION NUMBER: US/10/180,548  
 ; CURRENT FILING DATE: 2002-06-25  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-180-548-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 28 EEVPGGGRSK 38

## RESULT 101

## US-10-180-551-444

; Sequence 444, Application US/10180551  
 ; Publication No. US20030036123A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C162  
 ; CURRENT APPLICATION NUMBER: US/10/180,551  
 ; CURRENT FILING DATE: 2002-06-25  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-180-551-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 28 EEVPGGGRSK 38

```

Qy 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 104
US-10-183-013-444
; Sequence 444, Application US/10183013
; Publication No. US20030036126A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C179
; CURRENT APPLICATION NUMBER: US/10/183,013
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-013-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps

Qy 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 105
US-10-184-612-444
; Sequence 444, Application US/10184612
; Publication No. US20030036127A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C200
; CURRENT APPLICATION NUMBER: US/10/184,612
; CURRENT FILING DATE: 2002-06-27
; Prior Application Number: 10/052586
; Prior Filing Date: 2002-01-15
; Prior Application Number: 60/059263
; Prior Filing Date: 1997-09-18
; Prior Application Number: 60/059266
; Prior Filing Date: 1997-09-18
; Prior Application Number: 60/062250
; Prior Filing Date: 1997-10-17
; Prior Application Number: 60/063120

```



```

; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088825
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 106

```

US-10-184-616-444
; Sequence 444, Application US/10184616
; Publication No. US20030036128A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C192
; CURRENT APPLICATION NUMBER: US/10/184,616
; CURRENT FILING DATE: 2002-06-27
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien

```

```

US-10-184-616-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 107

```

US-10-184-617-444
; Sequence 444, Application US/10184617
; Publication No. US20030036129A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C205
; CURRENT APPLICATION NUMBER: US/10/184,617
; CURRENT FILING DATE: 2002-06-28
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien

```

```

US-10-184-617-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 108

```

US-10-184-622-444
; Sequence 444, Application US/10184622
; Publication No. US20030036130A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C208
; CURRENT APPLICATION NUMBER: US/10/184,622
; CURRENT FILING DATE: 2002-06-29
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien

```

```

US-10-184-622-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXXX 11

```

Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Db 28 EEVPGGGRSK 38  
|||||:||||:  
1 EEVVPXXXXX 11  
28 EEVPGGGRSK 38

RESULT 111  
US-10-184-630-444  
; Sequence 444, Application US/10184630  
; Publication No. US20030036133A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C195  
; CURRENT APPLICATION NUMBER: US/10/184,630  
; CURRENT FILING DATE: 2002-06-27  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-630-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:||||:  
Db 28 EEVPGGGRSK 38

RESULT 112  
US-10-184-631-444  
; Sequence 444, Application US/10184631  
; Publication No. US20030036134A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C199  
; CURRENT APPLICATION NUMBER: US/10/184,631  
; CURRENT FILING DATE: 2002-06-27  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-631-444

Db 28 EEVPGGGRSK 38  
|||||:||||:  
28 EEVPGGGRSK 38

RESULT 109  
US-10-184-628-444  
; Sequence 444, Application US/10184628  
; Publication No. US20030036131A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C201  
; CURRENT APPLICATION NUMBER: US/10/184,628  
; CURRENT FILING DATE: 2002-06-27  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-628-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:||||:  
Db 28 EEVPGGGRSK 38

RESULT 110  
US-10-184-629-444  
; Sequence 444, Application US/10184629  
; Publication No. US20030036132A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C214  
; CURRENT APPLICATION NUMBER: US/10/184,629  
; CURRENT FILING DATE: 2002-06-28  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-629-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Cons 0;

```
Qy      1 EEVVPXXXXXX 11
        |||||:~::~
Db     28 EEVPPGGGRSK 38
```

RESULT 113

```

US-10-184-632-444
; Sequence 444, Application US/10184632
; Publication No. US20030036135A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P34303IC226
; CURRENT APPLICATION NUMBER: US/10/184,632.
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-632-444

```

```
Query Match      100.0%;   Score 31;   DB 9;   Length 135;
Best Local Similarity 45.5%;   Pred. NO. 2.5e+02;
Matches 5;   Conservative 6;   Mismatches 0;   Indels
```

```
Qy      1 EEVVPXXXXXX 11
        |||||:
db      28 EEVVPGGGRSK 38
```

RESULT 114

US-10-184-636-444  
; Sequence 444, Application US/10184636  
; Publication No. US20030036136A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C207  
; CURRENT APPLICATION NUMBER: US/10/184,636  
; CURRENT FILING DATE: 2002-06-28  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135

```

; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-636-444

```

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels

```
QY      1 EEVVPXXXXX 11
        |||||:::
Db     28 EEVPPGGGRSK 38
```

RESULT 115

```

US-10-184-640-444
; Sequence 444, Application US/10184640
; Publication No. US20030036137A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC202
; CURRENT APPLICATION NUMBER: US/10/184,640
; CURRENT FILING DATE: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-640-444

```

```
Query Match      100.0%;   Score 31;   DB 9;   Length 135;
Best Local Similarity 45.5%;   Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0
```

```
QY      1 EEVVPXXXXXX 11
        |||||:::
Db     28 EEVPPGGGRSK 38
```

## RESULT 116

```

US-10-184-650-444
; Sequence 444, Application US/10184650
; Publication No. US20030036138A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P343036138A1
; CURRENT APPLICATION NUMBER: US/10/184,650
; CURRENT FILING DATE: 2002-06-28
; Prior application removed - See File Wrapper or Palm

```

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-650-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

RESULT 117

US-10-184-651-444  
; Sequence 444, Application US/10184651  
; Publication No. US20030036139A1

; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RIC203  
; CURRENT APPLICATION NUMBER: US/10/184,651  
; CURRENT FILING DATE: 2002-06-27  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612

SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-651-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

RESULT 118

US-10-187-588-444  
; Sequence 444, Application US/10187588  
; Publication No. US20030036140A1

; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RIC270

; CURRENT APPLICATION NUMBER: US/10/187,588  
; CURRENT FILING DATE: 2002-07-01  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612

SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-187-588-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

RESULT 119

US-10-187-597-444  
; Sequence 444, Application US/10187597  
; Publication No. US20030036141A1

; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RIC260  
; CURRENT APPLICATION NUMBER: US/10/187,597  
; CURRENT FILING DATE: 2002-07-01  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612

SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-187-597-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

RESULT 120

US-10-187-598-444  
; Sequence 444, Application US/10187598  
; Publication No. US20030036142A1

; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

```
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC236
; CURRENT APPLICATION NUMBER: US/10/187,598
; PRIOR APPLICATION DATE: 2002-07-01
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-598-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 121
US-10-187-600-444
; Sequence 444, Application US/10187600
; Publication No. US20030036143A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC244
; CURRENT APPLICATION NUMBER: US/10/187,600
; PRIOR APPLICATION DATE: 2002-07-02
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-600-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 122
US-10-187-601-444
; Sequence 444, Application US/10187601
; Publication No. US20030036144A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
```

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; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC249
; CURRENT APPLICATION NUMBER: US/10/187,601
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-601-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 123
US-10-187-602-444
; Sequence 444, Application US/10187602
; Publication No. US20030036145A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC230
; CURRENT APPLICATION NUMBER: US/10/187,602
; CURRENT FILING DATE: 2002-07-02
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-602-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 124
US-10-187-603-444
; Sequence 444, Application US/10187603
; Publication No. US20030036146A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
```



```
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC236
; CURRENT APPLICATION NUMBER: US/10/187,603
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Saplen
US-10-187-603-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 125
US-10-187-741-444
; Sequence 444, Application US/10187741
; Publication No. US20030036147A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC235
; CURRENT APPLICATION NUMBER: US/10/187,741
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Saplen
US-10-187-741-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 126
US-10-187-743-444
; Sequence 444, Application US/10187743
; Publication No. US20030036148A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
```

```
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC237
; CURRENT APPLICATION NUMBER: US/10/187,743
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Saplen
US-10-187-743-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 127
US-10-187-746-444
; Sequence 444, Application US/10187746
; Publication No. US20030036149A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC234
; CURRENT APPLICATION NUMBER: US/10/187,746
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Saplen
US-10-187-746-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 128
US-10-187-747-444
; Sequence 444, Application US/10187747
; Publication No. US20030036150A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC245
; CURRENT APPLICATION NUMBER: US/10/187,747
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-747-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 129

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US-10-187-751-444
; Sequence 444, Application US/10187751
; Publication No. US20030036151A1
; GENERAL INFORMATION:

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; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC265
; CURRENT APPLICATION NUMBER: US/10/187,751
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-751-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 130

```

US-10-187-753-444
; Sequence 444, Application US/10187753
; Publication No. US20030036152A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC229
; CURRENT APPLICATION NUMBER: US/10/187,753
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-753-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 131

```

US-10-187-754-444
; Sequence 444, Application US/10187754
; Publication No. US20030036153A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC238
; CURRENT APPLICATION NUMBER: US/10/187,754
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-754-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 132

US-10-187-757-444

; Sequence 444, Application US/10187757

; Publication No. US20030036154A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C242

; CURRENT APPLICATION NUMBER: US/10/187,757

; CURRENT FILING DATE: 2002-07-02

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-187-757-444

US-10-187-757-444

US-10-187-757-444

US-10-187-757-444

US-10-187-757-444

US-10-187-757-444

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US-10-187-757-444

US-10-187-757-444

QY 1 EEVVPXXXXX 11

|||||:|:|:|:|:|:|

Db 28 EEVPGGGRSK 38

## RESULT 134

US-10-188-767-444

; Sequence 444, Application US/10188767

; Publication No. US20030036156A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C272

; CURRENT APPLICATION NUMBER: US/10/188,767

; CURRENT FILING DATE: 2002-07-02

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-188-767-444

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US-10-188-767-444

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US-10-188-767-444

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US-10-188-767-444

; PRIOR FILING DATE: 1998-03-11  
 ; PRIOR APPLICATION NUMBER: 60/077649  
 ; PRIOR FILING DATE: 1998-03-11  
 ; PRIOR APPLICATION NUMBER: 60/078886  
 ; PRIOR FILING DATE: 1998-03-20  
 ; PRIOR APPLICATION NUMBER: 60/078939  
 ; PRIOR FILING DATE: 1998-03-20  
 ; PRIOR APPLICATION NUMBER: 60/079664  
 ; PRIOR FILING DATE: 1998-03-27  
 ; PRIOR APPLICATION NUMBER: 60/079786  
 ; PRIOR FILING DATE: 1998-03-27  
 ; PRIOR APPLICATION NUMBER: 60/080107  
 ; PRIOR FILING DATE: 1998-03-31  
 ; PRIOR APPLICATION NUMBER: 60/080194  
 ; PRIOR FILING DATE: 1998-03-31  
 ; PRIOR APPLICATION NUMBER: 60/080327  
 ; PRIOR FILING DATE: 1998-04-01  
 ; PRIOR APPLICATION NUMBER: 60/080333  
 ; PRIOR FILING DATE: 1998-04-01  
 ; PRIOR APPLICATION NUMBER: 60/081049  
 ; PRIOR FILING DATE: 1998-04-08  
 ; PRIOR APPLICATION NUMBER: 60/081070  
 ; PRIOR FILING DATE: 1998-04-08  
 ; PRIOR APPLICATION NUMBER: 60/081195  
 ; PRIOR FILING DATE: 1998-04-09  
 ; PRIOR APPLICATION NUMBER: 60/081838  
 ; PRIOR FILING DATE: 1998-04-15  
 ; PRIOR APPLICATION NUMBER: 60/082568  
 ; PRIOR FILING DATE: 1998-04-21  
 ; PRIOR APPLICATION NUMBER: 60/082569  
 ; PRIOR FILING DATE: 1998-04-21  
 ; PRIOR APPLICATION NUMBER: 60/082704  
 ; PRIOR FILING DATE: 1998-04-22  
 ; PRIOR APPLICATION NUMBER: 60/082797  
 ; PRIOR FILING DATE: 1998-04-22  
 ; PRIOR APPLICATION NUMBER: 60/083322  
 ; PRIOR FILING DATE: 1998-04-28  
 ; PRIOR APPLICATION NUMBER: 60/083495  
 ; PRIOR FILING DATE: 1998-04-29  
 ; PRIOR APPLICATION NUMBER: 60/083496  
 ; PRIOR FILING DATE: 1998-04-29  
 ; PRIOR APPLICATION NUMBER: 60/083499  
 ; PRIOR FILING DATE: 1998-04-29  
 ; PRIOR APPLICATION NUMBER: 60/083559  
 ; PRIOR FILING DATE: 1998-04-29  
 ; PRIOR APPLICATION NUMBER: 60/084366  
 ; PRIOR FILING DATE: 1998-05-05  
 ; PRIOR APPLICATION NUMBER: 60/084414  
 ; PRIOR FILING DATE: 1998-05-06  
 ; PRIOR APPLICATION NUMBER: 60/084639  
 ; PRIOR FILING DATE: 1998-05-07  
 ; PRIOR APPLICATION NUMBER: 60/084640  
 ; PRIOR FILING DATE: 1998-05-07  
 ; PRIOR APPLICATION NUMBER: 60/084643  
 ; PRIOR FILING DATE: 1998-05-07  
 ; PRIOR APPLICATION NUMBER: 60/085573  
 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/085579  
 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/085580  
 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/085582  
 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/085700  
 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/086023  
 ; PRIOR FILING DATE: 1998-05-18  
 ; PRIOR APPLICATION NUMBER: 60/086392  
 ; PRIOR FILING DATE: 1998-05-22  
 ; PRIOR APPLICATION NUMBER: 60/086486  
 ; PRIOR FILING DATE: 1998-05-22  
 ; PRIOR APPLICATION NUMBER: 60/087098  
 ; PRIOR FILING DATE: 1998-05-28

; PRIOR APPLICATION NUMBER: 60/087208  
 ; PRIOR FILING DATE: 1998-05-28  
 ; PRIOR APPLICATION NUMBER: 60/087609  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087759  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087827  
 ; PRIOR FILING DATE: 1998-06-03  
 ; PRIOR APPLICATION NUMBER: 60/088025  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088028  
 ; PRIOR FILING DATE: 1998-06-04  
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 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088033  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088167  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088202  
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 ; PRIOR APPLICATION NUMBER: 60/088738  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088740  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088811  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088824  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088825  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088826  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088861  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088863  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088876  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/089090  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089105  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089512  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089514  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089538  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089598  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVVPPXXXXX 11  
 DB 28 EVVPPGGRSK 38

RESULT 135  
 US-10-188-769-444

22

1 EEVVPXXXXXX 11  
Ov

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Db      28  EEVPPGGRSK 38
|||||:
RESULT 139
US-10-194-361-444
; Sequence 444, Application US/10194361
; Publication No. US20030036162A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C301
; CURRENT FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: US/10/194,361
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-361-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1  EEVPPXXXXX 11
|||||:
Db      28  EEVPPGGRSK 38
|||||:
RESULT 140
US-10-194-423-444
; Sequence 444, Application US/10194423
; Publication No. US20030036162A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C308
; CURRENT FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: US/10/194,423
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
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; PRIOR APPLICATION NUMBER: 60/066466
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; PRIOR APPLICATION NUMBER: 60/066772
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/069335
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069425
; PRIOR FILING DATE: 1997-12-12
; PRIOR APPLICATION NUMBER: 60/069870
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/068017
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
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Thu May 29 17:38:57 2003

;; PRIOR FILING DATE: 1998-04-01  
;; PRIOR APPLICATION NUMBER: 60/080333  
;; PRIOR FILING DATE: 1998-04-01  
;; PRIOR APPLICATION NUMBER: 60/081049  
;; PRIOR FILING DATE: 1998-04-08  
;; PRIOR APPLICATION NUMBER: 60/081070  
;; PRIOR FILING DATE: 1998-04-08  
;; PRIOR APPLICATION NUMBER: 60/081195  
;; PRIOR FILING DATE: 1998-04-09  
;; PRIOR APPLICATION NUMBER: 60/081838  
;; PRIOR FILING DATE: 1998-04-15  
;; PRIOR APPLICATION NUMBER: 60/082568  
;; PRIOR FILING DATE: 1998-04-21  
;; PRIOR APPLICATION NUMBER: 60/082569  
;; PRIOR FILING DATE: 1998-04-21  
;; PRIOR APPLICATION NUMBER: 60/082704  
;; PRIOR FILING DATE: 1998-04-22  
;; PRIOR APPLICATION NUMBER: 60/082797  
;; PRIOR FILING DATE: 1998-04-22  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/083495  
;; PRIOR FILING DATE: 1998-04-29  
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;; PRIOR FILING DATE: 1998-04-29  
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;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/083559  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/084366  
;; PRIOR FILING DATE: 1998-05-05  
;; PRIOR APPLICATION NUMBER: 60/084414  
;; PRIOR FILING DATE: 1998-05-06  
;; PRIOR APPLICATION NUMBER: 60/084639  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084640  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084643  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/085573  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085579  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085580  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085582  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085700  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/086023  
;; PRIOR FILING DATE: 1998-05-18  
;; PRIOR APPLICATION NUMBER: 60/086392  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/086486  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/087098  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087208  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 141

US-10-195-897-444  
; Sequence 444, Application US/10195897  
; Publication No. US20030036164A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C317  
 ; CURRENT APPLICATION NUMBER: US/10/195,897  
 ; CURRENT FILING DATE: 2002-07-15  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-195-901-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

## RESULT 142

US-10-195-901-444  
 ; Sequence 444, Application US/10195901  
 ; Publication No. US20030036165A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C333  
 ; CURRENT APPLICATION NUMBER: US/10/195,901  
 ; CURRENT FILING DATE: 2002-07-15  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-195-901-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

## RESULT 143

US-10-196-756-444  
 ; Sequence 444, Application US/10196756  
 ; Publication No. US20030034993A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C343  
 ; CURRENT APPLICATION NUMBER: US/10/196,756  
 ; CURRENT FILING DATE: 2002-07-16  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-196-756-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

## RESULT 144

US-10-230-163-108  
 ; Sequence 108, Application US/10230163  
 ; Publication No. US20030036635A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Gerritsen, Mary  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stephan, Jean-Philippe F.  
 ; APPLICANT: Watanabe, Colin L.  
 ; APPLICANT: Wood, William I.

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3530P1C96  
 ; CURRENT APPLICATION NUMBER: US/10/230,163  
 ; CURRENT FILING DATE: 2002-08-28  
 ; PRIOR APPLICATION NUMBER: 10/119,480  
 ; PRIOR FILING DATE: 2002-04-09  
 ; PRIOR APPLICATION NUMBER: 60/059113  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/062287  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/063549  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/064103  
 ; PRIOR FILING DATE: 1997-10-31  
 ; PRIOR APPLICATION NUMBER: 60/069873  
 ; PRIOR FILING DATE: 1997-12-17  
 ; PRIOR APPLICATION NUMBER: 60/078910  
 ; PRIOR FILING DATE: 1998-03-20  
 ; PRIOR APPLICATION NUMBER: 60/079294  
 ; PRIOR FILING DATE: 1998-03-25  
 ; PRIOR APPLICATION NUMBER: 60/079656  
 ; PRIOR FILING DATE: 1998-03-26  
 ; PRIOR APPLICATION NUMBER: 60/079728  
 ; PRIOR FILING DATE: 1998-03-27  
 ; PRIOR APPLICATION NUMBER: 60/081819  
 ; PRIOR FILING DATE: 1998-04-15  
 ; PRIOR APPLICATION NUMBER: 60/081955  
 ; PRIOR FILING DATE: 1998-04-15  
 ; PRIOR APPLICATION NUMBER: 60/082804  
 ; PRIOR FILING DATE: 1998-04-22  
 ; PRIOR APPLICATION NUMBER: 60/084441  
 ; PRIOR FILING DATE: 1998-05-06  
 ; PRIOR APPLICATION NUMBER: 60/085323



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; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089905
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; PRIOR APPLICATION NUMBER: 60/090695
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; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-08-26
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; PRIOR APPLICATION NUMBER: 60/101477
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: 60/101738
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101741
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; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361

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; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
    |||||:|:|:|:
Db 28 EEVPGGGRSK 38

RESULT 145
US-09-989-726-359
; Sequence 359, Application US/09989726
; Publication No. US20030040473A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C60
; CURRENT APPLICATION NUMBER: US/09/989, 726
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
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; PRIOR APPLICATION NUMBER: 60/089908.  
 ; PRIOR FILING DATE: 1998-06-18  
 ; PRIOR APPLICATION NUMBER: 60/089947  
 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/089948  
 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/089952  
 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/090246  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090252  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090254  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090349  
 ; PRIOR FILING DATE: 1998-06-23  
 ; PRIOR APPLICATION NUMBER: 60/090355  
 ; PRIOR FILING DATE: 1998-06-23  
 ; PRIOR APPLICATION NUMBER: 60/090429  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090431  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090435  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090444  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090445  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090542  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090557  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090676  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090678  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090690  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090694  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090695  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090696  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090862  
 ; PRIOR FILING DATE: 1998-06-26  
 ; PRIOR APPLICATION NUMBER: 60/090863  
 ; PRIOR FILING DATE: 1998-06-26  
 ; PRIOR APPLICATION NUMBER: 60/091360  
 ; PRIOR FILING DATE: 1998-07-01  
 ; PRIOR APPLICATION NUMBER: 60/091478  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091544  
 ; PRIOR FILING DATE: 1998-07-01  
 ; PRIOR APPLICATION NUMBER: 60/091519  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091626  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091633  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091978  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/091982  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 EEVVPXXXXXX 11  
 DB 28 EEVPGGGRSK 38  
 |||||:||||:  
  
 RESULT 146  
 US-10-173-708-444  
 ; Sequence 444, Application US/10173708  
 ; Publication No. US20030040053A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C4  
 ; CURRENT APPLICATION NUMBER: US/10/173.708  
 ; CURRENT FILING DATE: 2002-06-17  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-173-708-444  
  
 Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 EEVVPXXXXXX 11  
 DB 28 EEVPGGGRSK 38  
 |||||:||||:  
  
 RESULT 147  
 US-10-176-479-444  
 ; Sequence 444, Application US/10176479  
 ; Publication No. US20030040054A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C71  
 ; CURRENT APPLICATION NUMBER: US/10/176.479  
 ; CURRENT FILING DATE: 2002-06-20  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT

; ORGANISM: Homo Sapien  
US-10-176-479-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 28 EEVVPGGGRSK 38

## RESULT 148

US-10-176-748-444

; Sequence 444, Application US/10176748  
; Publication No. US20030040055A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C105

; CURRENT APPLICATION NUMBER: US/10/176.748

; CURRENT FILING DATE: 2002-06-21

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-176-748-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 28 EEVVPGGGRSK 38

## RESULT 149

US-10-176-916-444

; Sequence 444, Application US/10176916

; Publication No. US20030040056A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C95

; CURRENT APPLICATION NUMBER: US/10/176.916

; CURRENT FILING DATE: 2002-06-21

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-176-916-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 28 EEVVPGGGRSK 38

## RESULT 150

US-10-179-507-444

; Sequence 444, Application US/10179507

; Publication No. US20030040057A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C135

; CURRENT APPLICATION NUMBER: US/10/179,507

; CURRENT FILING DATE: 2002-06-24

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-179-507-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 28 EEVVPGGGRSK 38

## RESULT 151

US-10-179-516-444

; Sequence 444, Application US/10179516

; Publication No. US20030040058A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C126

; CURRENT APPLICATION NUMBER: US/10/179,516

Thu May 29 17:38:57 2003

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; CURRENT FILING DATE: 2002-06-24
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-179-516-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38
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RESULT 152
US-10-179-519-444
; Sequence 444, Application US/10179519
; Publication No. US20030040059A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C143
; CURRENT APPLICATION NUMBER: US/10/179,519
; CURRENT FILING DATE: 2002-06-24
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-179-519-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38
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```
RESULT 153
US-10-179-525-444
; Sequence 444, Application US/10179525
; Publication No. US20030040060A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C145
; CURRENT APPLICATION NUMBER: US/10/180,540
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-540-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38
```

```
RESULT 154
US-10-180-540-444
; Sequence 444, Application US/10180540
; Publication No. US20030040061A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C145
; CURRENT APPLICATION NUMBER: US/10/180,540
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-540-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38
```

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RESULT 155
US-10-180-545-444
; Sequence 444, Application US/10180545
; Publication No. US20030040062A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C160
; CURRENT APPLICATION NUMBER: US/10/180,545
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-545-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 156
US-10-183-006-444
; Sequence 444, Application US/10183006
; Publication No. US20030040063A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C168
; CURRENT APPLICATION NUMBER: US/10/183,006
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-006-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 157
US-10-183-008-444
; Sequence 444, Application US/10183008
; Publication No. US20030040064A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C176
; CURRENT APPLICATION NUMBER: US/10/183,017
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-017-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 158
US-10-183-017-444
; Sequence 444, Application US/10183017
; Publication No. US20030040065A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C176
; CURRENT APPLICATION NUMBER: US/10/183,017
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-017-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 159
US-10-183-019-444
; Sequence 444, Application US/10183019
; Publication No. US20030040066A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
```

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; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C180
; CURRENT APPLICATION NUMBER: US/10/183,008
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-008-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 158
US-10-183-017-444
; Sequence 444, Application US/10183017
; Publication No. US20030040065A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C176
; CURRENT APPLICATION NUMBER: US/10/183,017
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-017-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 159
US-10-183-019-444
; Sequence 444, Application US/10183019
; Publication No. US20030040066A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
```



; Sequence 444, Application US/10184627  
; Publication No. US20030040070A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC197  
; CURRENT APPLICATION NUMBER: US/10/184,627  
; CURRENT FILING DATE: 2002-06-27  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-627-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 164

US-10-184-645-444  
; Sequence 444, Application US/10184645  
; Publication No. US20030040071A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC204  
; CURRENT APPLICATION NUMBER: US/10/184,645  
; CURRENT FILING DATE: 2002-06-28  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-645-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 165

US-10-184-654-444  
; Sequence 444, Application US/10184654  
; Publication No. US20030040072A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC189  
; CURRENT APPLICATION NUMBER: US/10/184,654  
; CURRENT FILING DATE: 2002-06-27  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-654-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 166

US-10-184-655-444  
; Sequence 444, Application US/10184655  
; Publication No. US20030040073A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC213  
; CURRENT APPLICATION NUMBER: US/10/184,655  
; CURRENT FILING DATE: 2002-06-28  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-655-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11



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Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 169  
 US-10-194-462-444  
 ; Sequence 444, Application US/10194462  
 ; Publication No. US20030040076A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C311  
 ; CURRENT APPLICATION NUMBER: US/10/194.462  
 ; CURRENT FILING DATE: 2002-07-12  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-194-462-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 170  
 US-10-195-902-444  
 ; Sequence 444, Application US/10195902  
 ; Publication No. US20030038826A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C334  
 ; CURRENT APPLICATION NUMBER: US/10/195.902  
 ; CURRENT FILING DATE: 2002-07-15  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-195-902-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Db 28 EEVPGGGRSK 38

RESULT 167  
 US-10-188-774-444  
 ; Sequence 444, Application US/10188774  
 ; Publication No. US20030040074A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C278  
 ; CURRENT APPLICATION NUMBER: US/10/188.774  
 ; CURRENT FILING DATE: 2002-07-02  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-188-774-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 168  
 US-10-188-775-444  
 ; Sequence 444, Application US/10188775  
 ; Publication No. US20030040075A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C273  
 ; CURRENT APPLICATION NUMBER: US/10/188.775  
 ; CURRENT FILING DATE: 2002-07-02  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-188-775-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

US-10-196-745-444  
; Sequence 444, Application US/10196745  
; Publication No. US20030040077A1  
; GENERAL INFORMATION:

RESULT 1/4  
US-10-196-762-444

; Sequence 444, Application US/10196762  
; Publication No. US20030040078A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C336  
; CURRENT APPLICATION NUMBER: US/10/196,762  
; CURRENT FILING DATE: 2002-07-16  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-196-762-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e-02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

RESULT 175  
US-10-197-695-444  
; Sequence 444, Application US/10197695  
; Publication No. US20030040079A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C360  
; CURRENT APPLICATION NUMBER: US/10/197,695  
; CURRENT FILING DATE: 2002-07-17  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-197-695-444

; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-197-695-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

RESULT 176  
US-09-990-437-359  
; Sequence 359, Application US/09990437  
; Publication No. US20030045463A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C49  
; CURRENT APPLICATION NUMBER: US/09/990,437  
; CURRENT FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07

1	PRIOR FILING DATE: 1998-06-17
2	PRIOR APPLICATION NUMBER: 60/089801
3	PRIOR FILING DATE: 1998-06-18
4	PRIOR APPLICATION NUMBER: 60/089907
5	PRIOR FILING DATE: 1998-06-18
6	PRIOR APPLICATION NUMBER: 60/089908
7	PRIOR FILING DATE: 1998-06-18
8	PRIOR APPLICATION NUMBER: 60/089947
9	PRIOR FILING DATE: 1998-06-19
10	PRIOR APPLICATION NUMBER: 60/089948
11	PRIOR FILING DATE: 1998-06-19
12	PRIOR APPLICATION NUMBER: 60/089952
13	PRIOR FILING DATE: 1998-06-19
14	PRIOR APPLICATION NUMBER: 60/090246
15	PRIOR FILING DATE: 1998-06-22
16	PRIOR APPLICATION NUMBER: 60/090252
17	PRIOR FILING DATE: 1998-06-22
18	PRIOR APPLICATION NUMBER: 60/090254
19	PRIOR FILING DATE: 1998-06-22
20	PRIOR APPLICATION NUMBER: 60/090349
21	PRIOR FILING DATE: 1998-06-23
22	PRIOR APPLICATION NUMBER: 60/090355
23	PRIOR FILING DATE: 1998-06-23
24	PRIOR APPLICATION NUMBER: 60/090429
25	PRIOR FILING DATE: 1998-06-24
26	PRIOR APPLICATION NUMBER: 60/090431
27	PRIOR FILING DATE: 1998-06-24
28	PRIOR APPLICATION NUMBER: 60/090435
29	PRIOR FILING DATE: 1998-06-24
30	PRIOR APPLICATION NUMBER: 60/090444
31	PRIOR FILING DATE: 1998-06-24
32	PRIOR APPLICATION NUMBER: 60/090445
33	PRIOR FILING DATE: 1998-06-24
34	PRIOR APPLICATION NUMBER: 60/090472
35	PRIOR FILING DATE: 1998-06-24
36	PRIOR APPLICATION NUMBER: 60/090535
37	PRIOR FILING DATE: 1998-06-24
38	PRIOR APPLICATION NUMBER: 60/090540
39	PRIOR FILING DATE: 1998-06-24
40	PRIOR APPLICATION NUMBER: 60/090542
41	PRIOR FILING DATE: 1998-06-24
42	PRIOR APPLICATION NUMBER: 60/090557
43	PRIOR FILING DATE: 1998-06-24
44	PRIOR APPLICATION NUMBER: 60/090676
45	PRIOR FILING DATE: 1998-06-25
46	PRIOR APPLICATION NUMBER: 60/090678
47	PRIOR FILING DATE: 1998-06-25
48	PRIOR APPLICATION NUMBER: 60/090690
49	PRIOR FILING DATE: 1998-06-25
50	PRIOR APPLICATION NUMBER: 60/090694
51	PRIOR FILING DATE: 1998-06-25
52	PRIOR APPLICATION NUMBER: 60/090695
53	PRIOR FILING DATE: 1998-06-25
54	PRIOR APPLICATION NUMBER: 60/090696
55	PRIOR FILING DATE: 1998-06-25
56	PRIOR APPLICATION NUMBER: 60/090862
57	PRIOR FILING DATE: 1998-06-26
58	PRIOR APPLICATION NUMBER: 60/090863
59	PRIOR FILING DATE: 1998-06-26
60	PRIOR APPLICATION NUMBER: 60/091360
61	PRIOR FILING DATE: 1998-07-01
62	PRIOR APPLICATION NUMBER: 60/091478
63	PRIOR FILING DATE: 1998-07-02
64	PRIOR APPLICATION NUMBER: 60/091544
65	PRIOR FILING DATE: 1998-07-01
66	PRIOR APPLICATION NUMBER: 60/091519
67	PRIOR FILING DATE: 1998-07-02
68	PRIOR APPLICATION NUMBER: 60/091626
69	PRIOR FILING DATE: 1998-07-02
70	PRIOR APPLICATION NUMBER: 60/091633
71	PRIOR FILING DATE: 1998-07-02
72	PRIOR APPLICATION NUMBER: 60/091978
73	PRIOR FILING DATE: 1998-07-01

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;; PRIOR APPLICATION NUMBER: 60/091982  
 ;; PRIOR FILING DATE: 1998-07-07  
 ;; PRIOR APPLICATION NUMBER: 60/092182  
 ;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEWVXXXXXX 11  
 Db 28 EEWVPGGRSK 38

RESULT 177

US-09-998-156-359  
 ; Sequence 359, Application US/09998156  
 ; Publication No. US20030044806A1

;; GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.  
 ;; APPLICANT: Baker, Kevin P.  
 ;; APPLICANT: Botstein, David  
 ;; APPLICANT: Desnoyers, Luc  
 ;; APPLICANT: Eaton, Dan L.  
 ;; APPLICANT: Ferrara, Napoleone  
 ;; APPLICANT: Fong, Sherman  
 ;; APPLICANT: Gerber, Hanspeter  
 ;; APPLICANT: Gerritsen, Mary E.  
 ;; APPLICANT: Goddard, Audrey  
 ;; APPLICANT: Godowski, Paul J.  
 ;; APPLICANT: Grimaldi, J. Christopher  
 ;; APPLICANT: Gurney, Austin L.  
 ;; APPLICANT: Kijavlin, Ivar J.  
 ;; APPLICANT: Napier, Mary A.  
 ;; APPLICANT: Pan, James  
 ;; APPLICANT: Paoni, Nicholas F.  
 ;; APPLICANT: Roy, Margaret Ann  
 ;; APPLICANT: Stewart, Timothy A.  
 ;; APPLICANT: Tumas, Daniel  
 ;; APPLICANT: Watanabe, Colin K.  
 ;; APPLICANT: Williams, P. Mickey  
 ;; APPLICANT: Wood, William I.  
 ;; APPLICANT: Zhang, Zemin  
 ;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ;; TITLE OF INVENTION: Acids Encoding the Same  
 ;; FILE REFERENCE: P2730PIC28  
 ;; CURRENT APPLICATION NUMBER: US/09/998,156  
 ;; CURRENT FILING DATE: 2001-11-15  
 ;; PRIOR APPLICATION NUMBER: 60/049787  
 ;; PRIOR FILING DATE: 1997-06-16  
 ;; PRIOR APPLICATION NUMBER: 60/062250  
 ;; PRIOR FILING DATE: 1997-10-17  
 ;; PRIOR APPLICATION NUMBER: 60/065186  
 ;; PRIOR FILING DATE: 1997-11-12  
 ;; PRIOR APPLICATION NUMBER: 60/065311  
 ;; PRIOR FILING DATE: 1997-11-13  
 ;; PRIOR APPLICATION NUMBER: 60/066770  
 ;; PRIOR FILING DATE: 1997-11-24  
 ;; PRIOR APPLICATION NUMBER: 60/075945  
 ;; PRIOR FILING DATE: 1998-02-25  
 ;; PRIOR APPLICATION NUMBER: 60/078910  
 ;; PRIOR FILING DATE: 1998-03-20  
 ;; PRIOR APPLICATION NUMBER: 60/083322  
 ;; PRIOR FILING DATE: 1998-04-28  
 ;; PRIOR APPLICATION NUMBER: 60/084600  
 ;; PRIOR FILING DATE: 1998-05-07  
 ;; PRIOR APPLICATION NUMBER: 60/087106  
 ;; PRIOR FILING DATE: 1998-05-28  
 ;; PRIOR APPLICATION NUMBER: 60/087607  
 ;; PRIOR FILING DATE: 1998-06-02  
 ;; PRIOR APPLICATION NUMBER: 60/087609  
 ;; PRIOR FILING DATE: 1998-06-02  
 ;; PRIOR APPLICATION NUMBER: 60/087759

;; PRIOR FILING DATE: 1998-06-02  
 ;; PRIOR APPLICATION NUMBER: 60/087827  
 ;; PRIOR FILING DATE: 1998-06-03  
 ;; PRIOR APPLICATION NUMBER: 60/088021  
 ;; PRIOR FILING DATE: 1998-06-04  
 ;; PRIOR APPLICATION NUMBER: 60/088025  
 ;; PRIOR FILING DATE: 1998-06-04  
 ;; PRIOR APPLICATION NUMBER: 60/088026  
 ;; PRIOR FILING DATE: 1998-06-04  
 ;; PRIOR APPLICATION NUMBER: 60/088028  
 ;; PRIOR FILING DATE: 1998-06-04  
 ;; PRIOR APPLICATION NUMBER: 60/088029  
 ;; PRIOR FILING DATE: 1998-06-04  
 ;; PRIOR APPLICATION NUMBER: 60/088030  
 ;; PRIOR FILING DATE: 1998-06-04  
 ;; PRIOR APPLICATION NUMBER: 60/088033  
 ;; PRIOR FILING DATE: 1998-06-04  
 ;; PRIOR APPLICATION NUMBER: 60/088326  
 ;; PRIOR FILING DATE: 1998-06-04  
 ;; PRIOR APPLICATION NUMBER: 60/088167  
 ;; PRIOR FILING DATE: 1998-06-05  
 ;; PRIOR APPLICATION NUMBER: 60/088202  
 ;; PRIOR FILING DATE: 1998-06-05  
 ;; PRIOR APPLICATION NUMBER: 60/088212  
 ;; PRIOR FILING DATE: 1998-06-05  
 ;; PRIOR APPLICATION NUMBER: 60/088217  
 ;; PRIOR FILING DATE: 1998-06-05  
 ;; PRIOR APPLICATION NUMBER: 60/088655  
 ;; PRIOR FILING DATE: 1998-06-09  
 ;; PRIOR APPLICATION NUMBER: 60/088734  
 ;; PRIOR FILING DATE: 1998-06-10  
 ;; PRIOR APPLICATION NUMBER: 60/088738  
 ;; PRIOR FILING DATE: 1998-06-10  
 ;; PRIOR APPLICATION NUMBER: 60/088742  
 ;; PRIOR FILING DATE: 1998-06-10  
 ;; PRIOR APPLICATION NUMBER: 60/088810  
 ;; PRIOR FILING DATE: 1998-06-10  
 ;; PRIOR APPLICATION NUMBER: 60/088824  
 ;; PRIOR FILING DATE: 1998-06-10  
 ;; PRIOR APPLICATION NUMBER: 60/088826  
 ;; PRIOR FILING DATE: 1998-06-10  
 ;; PRIOR APPLICATION NUMBER: 60/088858  
 ;; PRIOR FILING DATE: 1998-06-11  
 ;; PRIOR APPLICATION NUMBER: 60/088861  
 ;; PRIOR FILING DATE: 1998-06-11  
 ;; PRIOR APPLICATION NUMBER: 60/088876  
 ;; PRIOR FILING DATE: 1998-06-11  
 ;; PRIOR APPLICATION NUMBER: 60/089105  
 ;; PRIOR FILING DATE: 1998-06-12  
 ;; PRIOR APPLICATION NUMBER: 60/089440  
 ;; PRIOR FILING DATE: 1998-06-16  
 ;; PRIOR APPLICATION NUMBER: 60/089512  
 ;; PRIOR FILING DATE: 1998-06-16  
 ;; PRIOR APPLICATION NUMBER: 60/089514  
 ;; PRIOR FILING DATE: 1998-06-16  
 ;; PRIOR APPLICATION NUMBER: 60/089532  
 ;; PRIOR FILING DATE: 1998-06-17  
 ;; PRIOR APPLICATION NUMBER: 60/089538  
 ;; PRIOR FILING DATE: 1998-06-17  
 ;; PRIOR APPLICATION NUMBER: 60/089598  
 ;; PRIOR FILING DATE: 1998-06-17  
 ;; PRIOR APPLICATION NUMBER: 60/089599  
 ;; PRIOR FILING DATE: 1998-06-17  
 ;; PRIOR APPLICATION NUMBER: 60/089600  
 ;; PRIOR FILING DATE: 1998-06-17  
 ;; PRIOR APPLICATION NUMBER: 60/089653  
 ;; PRIOR FILING DATE: 1998-06-17  
 ;; PRIOR APPLICATION NUMBER: 60/089801  
 ;; PRIOR FILING DATE: 1998-06-18  
 ;; PRIOR APPLICATION NUMBER: 60/089907  
 ;; PRIOR FILING DATE: 1998-06-18  
 ;; PRIOR APPLICATION NUMBER: 60/089908  
 ;; PRIOR FILING DATE: 1998-06-18  
 ;; PRIOR APPLICATION NUMBER: 60/089908

; PRIOR APPLICATION NUMBER: 60/089947  
 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/089948  
 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/089952  
 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/090246  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090252  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090254  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090349  
 ; PRIOR FILING DATE: 1998-06-23  
 ; PRIOR APPLICATION NUMBER: 60/090355  
 ; PRIOR FILING DATE: 1998-06-23  
 ; PRIOR APPLICATION NUMBER: 60/090429  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090431  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090435  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090444  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090445  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090472  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090535  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090540  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090542  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090557  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090676  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090678  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090690  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090694  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090695  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090696  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090862  
 ; PRIOR FILING DATE: 1998-06-26  
 ; PRIOR APPLICATION NUMBER: 60/090863  
 ; PRIOR FILING DATE: 1998-06-26  
 ; PRIOR APPLICATION NUMBER: 60/091360  
 ; PRIOR FILING DATE: 1998-07-01  
 ; PRIOR APPLICATION NUMBER: 60/091478  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091544  
 ; PRIOR FILING DATE: 1998-07-01  
 ; PRIOR APPLICATION NUMBER: 60/091519  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091626  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091633  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091978  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/091982  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 Db 28 EEVPPGGGRSK 38  
 RESULT 178  
 US-10-176-484-444  
 ; Sequence 444, Application US/10176484  
 ; Publication No. US20030044916A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P34301C64  
 ; CURRENT APPLICATION NUMBER: US/10/176,484  
 ; CURRENT FILING DATE: 2002-06-20  
 ; Prior application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-176-484-444  
 Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 Db 28 EEVPPGGGRSK 38

RESULT 179  
 US-10-176-753-444  
 ; Sequence 444, Application US/10176753  
 ; Publication No. US20030044917A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P34301C67  
 ; CURRENT APPLICATION NUMBER: US/10/176,753  
 ; CURRENT FILING DATE: 2002-06-20  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-176-753-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 28 EEVPGGGRSK 38

## RESULT 180

US-10-176-917-444  
; Sequence 444, Application US/10176917  
; Publication No. US20030044918A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C77  
; CURRENT APPLICATION NUMBER: US/10/176,917  
; CURRENT FILING DATE: 2002-06-20  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-917-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 28 EEVPGGGRSK 38

## RESULT 181

US-10-176-982-444  
; Sequence 444, Application US/10176982  
; Publication No. US20030044919A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C118  
; CURRENT APPLICATION NUMBER: US/10/176,982  
; CURRENT FILING DATE: 2002-06-21  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135

; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-982-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 28 EEVPGGGRSK 38

## RESULT 182

US-10-179-506-444  
; Sequence 444, Application US/10179506  
; Publication No. US20030044920A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C125  
; CURRENT APPLICATION NUMBER: US/10/179,506  
; CURRENT FILING DATE: 2002-06-24  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-179-506-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:~|:~|:~|:~|:~|:  
Db 28 EEVPGGGRSK 38

## RESULT 183

US-10-179-513-444  
; Sequence 444, Application US/10179513  
; Publication No. US20030044921A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C129  
; CURRENT APPLICATION NUMBER: US/10/179,513  
; CURRENT FILING DATE: 2002-06-24  
; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-179-513-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 184

US-10-179-514-444  
; Sequence 444, Application US/10179514  
; Publication No. US20030044922A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C127  
; CURRENT APPLICATION NUMBER: US/10/179,514  
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-179-514-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 185

US-10-179-522-444

; Sequence 444, Application US/10179522  
; Publication No. US20030044923A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C140

; CURRENT APPLICATION NUMBER: US/10/179,522  
; CURRENT FILING DATE: 2002-06-24  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-179-522-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 186

US-10-180-556-444  
; Sequence 444, Application US/10180556  
; Publication No. US20030044924A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C158  
; CURRENT APPLICATION NUMBER: US/10/180,556  
; CURRENT FILING DATE: 2002-06-25  
; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-556-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 187

US-10-180-560-444

; Sequence 444, Application US/10180560  
; Publication No. US20030044925A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin



audet-909164-5.dx-anysize600.rapb

Thu May 29 17:38:57 2003

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C146  
 ; CURRENT APPLICATION NUMBER: US/10/180,560  
 ; CURRENT FILING DATE: 2002-06-25  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-180-560-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

RESULT 188

US-10-183-015-444  
 ; Sequence 444, Application US/10183015  
 ; Publication No. US2003004926A1

; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C166  
 ; CURRENT APPLICATION NUMBER: US/10/183,015  
 ; CURRENT FILING DATE: 2002-06-26  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien

US-10-183-015-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

RESULT 189

US-10-184-615-444  
 ; Sequence 444, Application US/10184615  
 ; Publication No. US2003004927A1

; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C185  
 ; CURRENT APPLICATION NUMBER: US/10/184,615  
 ; CURRENT FILING DATE: 2002-06-27  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-184-615-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

RESULT 190

US-10-184-620-444  
 ; Sequence 444, Application US/10184620  
 ; Publication No. US2003004928A1

; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C216  
 ; CURRENT APPLICATION NUMBER: US/10/184,620  
 ; CURRENT FILING DATE: 2002-06-28  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien

US-10-184-620-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

RESULT 191

US-10-184-643-444  
 ; Sequence 444, Application US/10184643  
 ; Publication No. US2003004929A1

; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.

```

; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC225
; CURRENT APPLICATION NUMBER: US/10/184,643
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-643-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

```

```

RESULT 192
US-10-184-656-444
; Sequence 444, Application US/10184656
; Publication No. US20030044931A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC224
; CURRENT APPLICATION NUMBER: US/10/184,656
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-656-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

```

```

RESULT 193
US-10-192-010-444
; Sequence 444, Application US/10192010
; Publication No. US20030044932A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian

```

```

; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC287
; CURRENT APPLICATION NUMBER: US/10/192,010
; CURRENT FILING DATE: 2002-07-09
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-192-010-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

```

```

RESULT 194
US-10-195-894-444
; Sequence 444, Application US/10195894
; Publication No. US20030043176A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC318
; CURRENT APPLICATION NUMBER: US/10/195,894
; CURRENT FILING DATE: 2002-07-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-195-894-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

```

```

RESULT 195
US-10-205-908-444
; Sequence 444, Application US/10205908
; Publication No. US20030045700A1

```

audet-909164-5.dx-anysize600.rapp

Thu May 29 17:38:57 2003

```

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC504
; CURRENT APPLICATION NUMBER: US/10/205,908
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-908-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 196
US-10-218-631-108
; Sequence 108, Application US/10218631
; Publication No. US20030045687A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC92
; CURRENT APPLICATION NUMBER: US/10/230,338
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910

```

```

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC504
; CURRENT APPLICATION NUMBER: US/10/205,908
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-908-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 196
US-10-218-631-108
; Sequence 108, Application US/10218631
; Publication No. US20030045687A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC14

```

```
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 198
US-09-991-157-359
; Sequence 359, Application US/09991157
; Publication No. US20030049638A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C51
; CURRENT APPLICATION NUMBER: US/09/991,157
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
```

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; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09
```

Length 135;  
DB 9:  
Indels 0; Gaps 0;

Query Match            100.0%; Score 31;  
Best Local Similarity     45.5%; Pred.No. 2.5e+02;  
Matches        5; Conservative      6; Mismatches          0;

QY            1 EEVVPXXXXX 11  
Db            28 EEWVEGGRSK 38

RESULT 199  
US-09-991-172-359  
Sequence 359, Application US/09991172  
Publication No. US20030050457A1  
GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnovers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same  
TITLE REFERENCE: P2730P1C50  
CURRENT APPLICATION NUMBER: US/09/991.172  
PRIOR FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02

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;	PRIOR FILING DATE:	1998-06-18
;	PRIOR APPLICATION NUMBER:	60/089908
;	PRIOR FILING DATE:	1998-06-18
;	PRIOR APPLICATION NUMBER:	60/089947
;	PRIOR FILING DATE:	1998-06-19
;	PRIOR APPLICATION NUMBER:	60/089948
;	PRIOR FILING DATE:	1998-06-19
;	PRIOR APPLICATION NUMBER:	60/089952
;	PRIOR FILING DATE:	1998-06-19
;	PRIOR APPLICATION NUMBER:	60/090246
;	PRIOR FILING DATE:	1998-06-22
;	PRIOR APPLICATION NUMBER:	60/090252
;	PRIOR FILING DATE:	1998-06-22
;	PRIOR APPLICATION NUMBER:	60/090254
;	PRIOR FILING DATE:	1998-06-22
;	PRIOR APPLICATION NUMBER:	60/090349
;	PRIOR FILING DATE:	1998-06-23
;	PRIOR APPLICATION NUMBER:	60/090355
;	PRIOR FILING DATE:	1998-06-23
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;	PRIOR APPLICATION NUMBER:	60/090431
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090435
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090444
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090445
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090472
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090535
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;	PRIOR APPLICATION NUMBER:	60/090863
;	PRIOR FILING DATE:	1998-06-26
;	PRIOR APPLICATION NUMBER:	60/091360
;	PRIOR FILING DATE:	1998-07-01
;	PRIOR APPLICATION NUMBER:	60/091478
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;	PRIOR APPLICATION NUMBER:	60/091978
;	PRIOR FILING DATE:	1998-07-07
;	PRIOR APPLICATION NUMBER:	60/091982
;	PRIOR FILING DATE:	1998-07-07
;	PRIOR APPLICATION NUMBER:	60/092182
;	PRIOR FILING DATE:	1998-07-09

Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 200

US-09-997-514-359  
Sequence 359, Application US/09997514  
Publication No. US20030049681A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey J.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C46

CURRENT APPLICATION NUMBER: US/09/997,514  
CURRENT FILING DATE: 2001-11-15

PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
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PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
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PRIOR FILING DATE: 1998-06-04  
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PRIOR FILING DATE: 1998-06-18  
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 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/091982  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0% Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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Db 28 EEVVPGGGRSK 38  
 RESULT 201  
 US-09-997-573-359  
 ; Sequence 359, Application US/09957573  
 ; Publication No. US20030049682A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Pao, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tamas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2730PIC45  
 ; CURRENT APPLICATION NUMBER: US/09/997,573  
 ; CURRENT FILING DATE: 2001-11-15  
 ; PRIOR APPLICATION NUMBER: 60/049787  
 ; PRIOR FILING DATE: 1997-06-16  
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;; PRIOR APPLICATION NUMBER: 60/088029  
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;; PRIOR FILING DATE: 1998-06-22  
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;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
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;; PRIOR APPLICATION NUMBER: 60/091519  
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;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Caps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 202  
US-10-184-619-444  
; Sequence 444, Application US/10184619  
; Publication No. US20030049738A1



audet-909164-5.dx-anysize600.rapb

Thu May 29 17:38:57 2003

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430R1C255  
;; CURRENT APPLICATION NUMBER: US/10/187,750  
;; CURRENT FILING DATE: 2002-07-01  
;; Prior Application removed - See File Wrapper or Palm  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-187-750-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

RESULT 206

US-10-188-780-444  
;; Sequence 444, Application US/10188780  
;; Publication No. US20030049741A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Chen, Jian  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Pan, James  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430R1C276  
;; CURRENT APPLICATION NUMBER: US/10/188,780  
;; CURRENT FILING DATE: 2002-07-02  
;; Prior Application removed - See File Wrapper or Palm  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-188-780-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

RESULT 207

US-10-192-015-444  
;; Sequence 444, Application US/10192015  
;; Publication No. US20030049742A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Chen, Jian  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Pan, James  
;; APPLICANT: Smith, Victoria

;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430R1C284  
;; CURRENT APPLICATION NUMBER: US/10/192,015  
;; CURRENT FILING DATE: 2002-07-09  
;; PRIOR APPLICATION NUMBER: 10/052586  
;; PRIOR FILING DATE: 2002-01-15  
;; PRIOR APPLICATION NUMBER: 60/059263  
;; PRIOR FILING DATE: 1997-09-18  
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; PRIOR FILING DATE: 1998-04-01  
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 ; PRIOR APPLICATION NUMBER: 60/089538  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089598  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:|:|:|

Db 28 EEVVPGGGRSK 38

# RESULT 208

US-10-194-394-444  
 ; Sequence 444, Application US/10194394  
 ; Publication No. US20030049743A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C298  
 ; CURRENT APPLICATION NUMBER: US/10/194,394

Query Match  
100.0%; Score 31; DB 9; Length 135;

RESULT 209

US-10-194-425-444

Sequence 444, Application US/10194425

Publication No. US20030049744A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Godowsky, Austin L.

APPLICANT: Pan, James

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3430RIC292

CURRENT APPLICATION NUMBER: US/10/194,425

CURRENT FILING DATE: 2002-07-11

PRIOR APPLICATION NUMBER: 10/052586

PRIOR FILING DATE: 2002-01-15

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059266

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/063120

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063121

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063486

PRIOR FILING DATE: 1997-10-21

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Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 211
US-10-195-885-444
; Sequence 444, Application US/10195885
; Publication No. US20030049746A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C331
; CURRENT APPLICATION NUMBER: US/10/195,885
; CURRENT FILING DATE: 2002-07-15
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-195-885-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 212
US-10-195-890-444
; Sequence 444, Application US/10195890
; Publication No. US20030050459A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 213
US-10-195-899-444
; Sequence 444, Application US/10195899
; Publication No. US20030049747A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C322
; CURRENT APPLICATION NUMBER: US/10/195,899
; CURRENT FILING DATE: 2002-07-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-195-899-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 214
US-10-196-748-444
; Sequence 444, Application US/10196748
; Publication No. US20030049748A1
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Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC347
; CURRENT APPLICATION NUMBER: US/10/196,748
; CURRENT FILING DATE: 2002-07-16
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
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; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
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; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-748-444

Query Match 100.0%; Score 31; DB 9: Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

; RESULT 215
US-10-196-750-444
; Sequence 444, Application US/10196750
; Publication No. US20030049749A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC348
; CURRENT APPLICATION NUMBER: US/10/197,699
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
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; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-748-444

Query Match 100.0%; Score 31; DB 9: Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

; RESULT 215
US-10-196-750-444
; Sequence 444, Application US/10196750
; Publication No. US20030049749A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC348
; CURRENT APPLICATION NUMBER: US/10/197,699
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
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; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1997-10-24
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; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
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; PRIOR APPLICATION NUMBER: 60/063540
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; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-750-444

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; CURRENT APPLICATION NUMBER: US/10/196,750
; CURRENT FILING DATE: 2002-07-16
; PRIOR APPLICATION NUMBER: 10/052586
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; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-750-444

Query Match 100.0%; Score 31; DB 9: Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

; RESULT 216
US-10-197-699-444
; Sequence 444, Application US/10197699
; Publication No. US20030049750A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC374
; CURRENT APPLICATION NUMBER: US/10/197,699
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
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; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-699-444

```

```

; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-700-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 217

```

US-10-197-700-444
; Sequence 444, Application US/10197700
; Publication No. US20030049751A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C361
; CURRENT APPLICATION NUMBER: US/10/197,700
; PRIOR FILING DATE: 2002-07-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-700-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 218

```

US-10-197-705-444
; Sequence 444, Application US/10197705.
; Publication No. US20030049752A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

```

```

; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C370
; CURRENT APPLICATION NUMBER: US/10/197,705
; PRIOR FILING DATE: 2002-07-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-705-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 219

```

US-10-197-708-444
; Sequence 444, Application US/10197708
; Publication No. US20030049753A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C369
; CURRENT APPLICATION NUMBER: US/10/197,708
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT

```



```
; ORGANISM: Homo Sapien
US-10-197-708-444

Query Match          100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
        |||:|:|:|:|:|:|
Db       28 EEVVPGGGRSK 38

RESULT 220
US-10-198-764-444
; Sequence 444, Application US/10198764
; Publication No. US20030049754A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P34301C399
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US/10/198,765
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-198-765-444

Query Match          100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
        |||:|:|:|:|:|:|
Db       28 EEVVPGGGRSK 38

RESULT 222
US-10-198-768-444
; Sequence 444, Application US/10198768
; Publication No. US20030049756A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P34301C399
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US/10/198,765
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-198-764-444

Query Match          100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
        |||:|:~:~:~:~:~:~:~
Db       28 EEVVPGGGRSK 38

RESULT 221
US-10-198-765-444
; Sequence 444, Application US/10198765
```

```

; FILE REFERENCE: P3430RIC408
; CURRENT APPLICATION NUMBER: US/10/198,768
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-198-768-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 223

```

US-10-198-769-444
; Sequence 444, Application US/10198769
; Publication No. US20030049757A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC397
; CURRENT APPLICATION NUMBER: US/10/198,769
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24

```

```

; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-198-769-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 224

```

US-10-199-305-444
; Sequence 444, Application US/10199305
; Publication No. US20030049758A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC420
; CURRENT APPLICATION NUMBER: US/10/199,305
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION data removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-305-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 225

```

US-10-199-306-444
; Sequence 444, Application US/10199306
; Publication No. US20030049759A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

```

Thu May 29 17:38:57 2003

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```
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC404
; CURRENT APPLICATION NUMBER: US/10/199,306
; CURRENT FILING DATE: 2002-07-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-199-306-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 226
US-10-199-310-444
; Sequence 444, Application US/10199310
; Publication No. US20030049760A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC407
; CURRENT APPLICATION NUMBER: US/10/199,310
; CURRENT FILING DATE: 2002-07-19
; Prior Application Number: 10/052586
; Prior Filing Date: 2002-01-15
; Prior Application Number: 60/059263
; Prior Filing Date: 1997-09-18
; Prior Application Number: 60/059266
; Prior Filing Date: 1997-09-18
; Prior Application Number: 60/062250
; Prior Filing Date: 1997-09-18
; Prior Application Number: 60/062250
; Prior Filing Date: 1997-10-17
; Prior Application Number: 60/063120
; Prior Filing Date: 1997-10-24
; Prior Application Number: 60/063121
; Prior Filing Date: 1997-10-24
; Prior Application Number: 60/063486
; Prior Filing Date: 1997-10-21
; Prior Application Number: 60/063540
; Prior Filing Date: 1997-10-28
; Prior Application Number: 60/063541
; Prior Filing Date: 1997-10-28
; Prior Application Number: 60/063544
; Prior Filing Date: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-199-310-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 227
US-10-199-311-444
; Sequence 444, Application US/10199311
; Publication No. US20030049761A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC413
; CURRENT APPLICATION NUMBER: US/10/199,311
; CURRENT FILING DATE: 2002-07-19
; Prior Application Number: 10/052586
; Prior Filing Date: 2002-01-15
; Prior Application Number: 60/059263
; Prior Filing Date: 1997-09-18
; Prior Application Number: 60/059266
; Prior Filing Date: 1997-09-18
; Prior Application Number: 60/062250
; Prior Filing Date: 1997-10-17
; Prior Application Number: 60/063120
; Prior Filing Date: 1997-10-24
; Prior Application Number: 60/063121
; Prior Filing Date: 1997-10-24
; Prior Application Number: 60/063486
; Prior Filing Date: 1997-10-21
; Prior Application Number: 60/063540
; Prior Filing Date: 1997-10-28
; Prior Application Number: 60/063541
; Prior Filing Date: 1997-10-28
; Prior Application Number: 60/063544
; Prior Filing Date: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-199-311-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 228
US-10-199-314-444
```

```
; Sequence 444, Application US/10199314
; Publication No. US20030049762A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC422
; CURRENT APPLICATION NUMBER: US/10/199,314
; PRIOR FILING DATE: 2002-07-19
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-314-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38
```

```
RESULT 229
US-10-199-317-444
; Sequence 444, Application US/10199317
; Publication No. US20030049763A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC410
; CURRENT APPLICATION NUMBER: US/10/199,317
; CURRENT FILING DATE: 2002-07-19
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-317-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38
```

```
RESULT 230
US-10-199-665-444
; Sequence 444, Application US/10199665
; Publication No. US20030049764A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC393
; CURRENT APPLICATION NUMBER: US/10/199,665
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION data removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-665-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

```

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 231
US-10-199-666-444
; Sequence 444, Application US/10199666
; Publication No. US20030049765A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C425
; CURRENT FILING DATE: 2002-07-19
; CURRENT APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Saplen
US-10-199-666-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 233
US-10-201-534-444
; Sequence 444, Application US/10201534
; Publication No. US20030049767A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C443
; CURRENT APPLICATION NUMBER: US/10/201,534
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263

```

; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-201-534-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 234

US-10-201-770-444  
; Sequence 444, Application US/10201770  
; Publication No. US20030049768A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C437  
; CURRENT APPLICATION NUMBER: US/10/201,770  
; PRIOR FILING DATE: 2002-07-22  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-201-534-444

; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-201-770-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 235

US-10-201-855-444  
; Sequence 444, Application US/10201855  
; Publication No. US20030049769A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C442  
; CURRENT APPLICATION NUMBER: US/10/201,855  
; PRIOR FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-201-855-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11

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Db 28 EEVPGGGRSK 38

RESULT 236

US-10-201-856-444  
; Sequence 444, Application US/10201856  
; Publication No. US20030049770A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430PLC461

; CURRENT APPLICATION NUMBER: US/10/201,856

; PRIOR FILING DATE: 2002-07-23

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; PRIOR Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-201-856-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EEVVPXXXXXX 11

Db 28 EEVPGGGRSK 38

RESULT 237

US-10-202-469-444

; Sequence 444, Application US/10202469

; Publication No. US20030049771A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RJC455

; CURRENT APPLICATION NUMBER: US/10/202,469

; PRIOR FILING DATE: 2002-07-23

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; PRIOR Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-202-469-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EEVVPXXXXXX 11

Db 28 EEVPGGGRSK 38

RESULT 238

US-10-202-470-444

; Sequence 444, Application US/10202470

; Publication No. US20030049772A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RJC459

; CURRENT APPLICATION NUMBER: US/10/202,470

; PRIOR FILING DATE: 2002-07-23

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-470-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 239

US-10-202-476-444  
; Sequence 444, Application US/10202476  
; Publication No. US20030049773A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC458  
; CURRENT APPLICATION NUMBER: US/10/202,476  
; CURRENT FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-470-444

; PRIOR Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-476-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 240

US-10-202-934-444  
; Sequence 444, Application US/10202934  
; Publication No. US20030049774A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC477  
; CURRENT APPLICATION NUMBER: US/10/202,934  
; CURRENT FILING DATE: 2002-07-24  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-934-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38



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; APPLICANT: Watanabe,Colin-K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C470
; CURRENT APPLICATION NUMBER: US/10/202,936
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-202-936-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXXX 11
        |||||:|:|:|:|:|:|
DB      28 EEVVPGGGRSK 38

```

RESULT 243

```

US-10-202-939-444
; Sequence 444, Application US/10202939
; Publication No. US20030049777A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C468
; CURRENT APPLICATION NUMBER: US/10/202,939
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250

```

```

; APPLICANT: Watanabe,Colin-K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C478
; CURRENT APPLICATION NUMBER: US/10/202,935
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-202-935-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXXX 11
        |||||:|:|:|:|:|:|
DB      28 EEVVPGGGRSK 38

```

RESULT 242

```

US-10-202-936-444
; Sequence 444, Application US/10202936
; Publication No. US20030049777A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria

```

```

1 OF INVENTION: P3430RICA476
2 FILE REFERENCE: P3430RICA476
3 CURRENT APPLICATION NUMBER: US/10/205,504
4 CURRENT FILING DATE: 2002-07-24
5 PRIOR APPLICATION NUMBER: 10/052586
6 PRIOR FILING DATE: 2002-01-15
7 PRIOR APPLICATION NUMBER: 60/059263
8 PRIOR FILING DATE: 1997-09-18
9 PRIOR APPLICATION NUMBER: 60/059266
10 PRIOR FILING DATE: 1997-09-18
11 PRIOR APPLICATION NUMBER: 60/062250
12 PRIOR FILING DATE: 1997-10-17
13 PRIOR APPLICATION NUMBER: 60/063120
14 PRIOR FILING DATE: 1997-10-24
15 PRIOR APPLICATION NUMBER: 60/063121
16 PRIOR FILING DATE: 1997-10-24
17 PRIOR APPLICATION NUMBER: 60/063486
18 PRIOR FILING DATE: 1997-10-21
19 PRIOR APPLICATION NUMBER: 60/063540
20 PRIOR FILING DATE: 1997-10-28
21 PRIOR APPLICATION NUMBER: 60/063541
22 PRIOR FILING DATE: 1997-10-28
23 PRIOR APPLICATION NUMBER: 60/063544
24 PRIOR FILING DATE: 1997-10-28
25 Prior Application data removed - See File Wrapper or PALM.
26 NUMBER OF SEQ ID NOS:612

```

```

SEQ ID NO 444
LENGTH: 135
TYPE: PRT
ORGANISM: Homo Sapien
S-10-205-509-444

Query Match          100.0%;      Score 31;  DB 9;  Length 135;
Best Local Similarity 45.5%;      Prod. No. 2.5e+02;
Matches 5;  Conservative 6;  Mismatches .0;  Indels 0

Y      1  EEVVPXXXXXX 11
      |||||.....
      28  EEVVPGGGRSK 38

```

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Thu May 29 17:38:57 2003

```

; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC521
; CURRENT APPLICATION NUMBER: US/10/205,899
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-205-899-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXX 11
    |||||:
Db 28 EEVVPGGGRSK 38

```

```

RESULT 248
US-10-205-900-444
; Sequence 444, Application US/10205900
; Publication No. US20030049782A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC507
; CURRENT APPLICATION NUMBER: US/10/205,900
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120

```

```

; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC495
; CURRENT APPLICATION NUMBER: US/10/205,895
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-205-895-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXX 11
    |||||:
Db 28 EEVVPGGGRSK 38

```

```

RESULT 247
US-10-205-899-444
; Sequence 444, Application US/10205899
; Publication No. US20030049781A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.

```

```
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-900-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 EEVVPXXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
```

## RESULT 249

```
US-10-205-909-444
; Sequence 444, Application US/10205909
; Publication No. US20030049783A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC498
; CURRENT APPLICATION NUMBER: US/10/205,909
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
```

```
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-909-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 EEVVPXXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
```

## RESULT 250

```
US-10-230-414-108
; Sequence 108, Application US/10230414
; Publication No. US20030050448A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC98
; CURRENT APPLICATION NUMBER: US/10/230,414
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-414-108
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 EEVVPXXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
```

## RESULT 251

```
US-09-990-443-359
```

Thu May 29 17:38:57 2003

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```

; Sequence 359, Application US/09900443
; Publication No. US20030054987A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C12
; CURRENT APPLICATION NUMBER: US/09/990,443
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089558
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23

```

```

; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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Query Match 100.0%; Score 31; DB 9; Length 135;  
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RESULT 252

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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc

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; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
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; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
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; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavir, Ivar J.
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; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC16
; CURRENT APPLICATION NUMBER: US/09/990,726
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Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

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RESULT 253  
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; APPLICANT: Bolstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
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APPLICANT: Grimaldi, J. Christopher  
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APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PLC40  
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Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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RESULT 254  
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; Sequence 359, Application US/09997601  
; Publication No. US20030054404A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
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; PRIOR APPLICATION NUMBER: 60/089908  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089947  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089948  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089952  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/090246  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090252  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090254  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090349  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090355  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090429  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090431  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090435  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090444  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090445  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090472  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090535  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090540  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090542  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090557  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090676

; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090678  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090690  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090694  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090696  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090862  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/090863  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/091360  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091478  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091544  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091519  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091626  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091633  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

## Query Match

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

## RESULT 255

US-10-183-002-444  
; Sequence 444, Application US/10183002  
; Publication No. US20030054454A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C165  
; CURRENT APPLICATION NUMBER: US/10/183,002  
; CURRENT FILING DATE: 2002-06-26  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-183-002-444

## Query Match

100.0%; Score 31; DB 9; Length 135;

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```

US-10-184-638-444
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 256
US-10-184-621-444
; Sequence 444, Application US/10184621
; Publication No. US20030054455A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C211
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-621-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 257
US-10-184-638-444
; Sequence 444, Application US/10184638
; Publication No. US20030054456A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C193
; CURRENT FILING DATE: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-621-444

US-10-184-638-444
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 259
US-10-187-887-444
; Sequence 444, Application US/10187887
; Publication No. US20030054456A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C262
; CURRENT FILING DATE: 2002-07-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444

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; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-887-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 260
US-10-194-461-444
; Sequence 444, Application US/10194461
; Publication No. US20030054459A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC302
; CURRENT APPLICATION NUMBER: US/10/194,461
; CURRENT FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063734
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063870
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066120
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/066466
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/069335
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069425
; PRIOR FILING DATE: 1997-12-12
; PRIOR APPLICATION NUMBER: 60/069870
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/068017
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
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; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
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Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/086023  
 ; PRIOR FILING DATE: 1998-05-18  
 ; PRIOR APPLICATION NUMBER: 60/086392  
 ; PRIOR FILING DATE: 1998-05-22  
 ; PRIOR APPLICATION NUMBER: 60/086486  
 ; PRIOR FILING DATE: 1998-05-22  
 ; PRIOR APPLICATION NUMBER: 60/087098  
 ; PRIOR FILING DATE: 1998-05-28  
 ; PRIOR APPLICATION NUMBER: 60/087208  
 ; PRIOR FILING DATE: 1998-05-28  
 ; PRIOR APPLICATION NUMBER: 60/087609  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087759  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087827  
 ; PRIOR FILING DATE: 1998-06-03  
 ; PRIOR APPLICATION NUMBER: 60/088025  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088028  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088029  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088033  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088167  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088202  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088212  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088217  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088326  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088655  
 ; PRIOR FILING DATE: 1998-06-09  
 ; PRIOR APPLICATION NUMBER: 60/088722  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088738  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088740  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088811  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088824  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088825  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088826  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088861  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088863  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088876  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/089090  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089105  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089512  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089514  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089538  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089598  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 28 EEVPGGGRSK 38  
 RESULT 261  
 US-10-195-892-444  
 ; Sequence 444, Application US/10195892  
 ; Publication No. US20030054460A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C320  
 ; CURRENT APPLICATION NUMBER: US/10/195,892  
 ; CURRENT FILING DATE: 2002-07-15  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-195-892-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 28 EEVPGGGRSK 38

RESULT 262  
 US-10-196-751-444  
 ; Sequence 444, Application US/10196751  
 ; Publication No. US20030054461A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C342  
 ; CURRENT APPLICATION NUMBER: US/10/196,751  
 ; CURRENT FILING DATE: 2002-07-16  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/059266  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/062250

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; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-751-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 EEVVPXXXXXX 11
        |||||:|:|:|:|:|
Db      28 EEVVPGGGRSK 38
```

## RESULT 263

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US-10-197-694-444
; Sequence 444, Application US/10197694
; Publication No. US20030054462A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C372
; CURRENT APPLICATION NUMBER: US/10/197,694
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
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```
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-694-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 EEVVPXXXXXX 11
        |||||:|:|:|:|:|
Db      28 EEVVPGGGRSK 38
```

## RESULT 264

```
US-10-197-697-444
; Sequence 444, Application US/10197697
; Publication No. US20030054463A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C367
; CURRENT APPLICATION NUMBER: US/10/197,697
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-697-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 EEVVPXXXXXX 11
        |||||:|:|:|:|:|
Db      28 EEVVPGGGRSK 38
```

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Thu May 29 17:38:57 2003

```

RESULT 265
US-10-197-707-444
; Sequence 444, Application US/10197707
; Publication No. US20030054464A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C357
; CURRENT APPLICATION NUMBER: US/10/197,707
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-707-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 266
US-10-197-707-444
; Sequence 444, Application US/10199303
; Publication No. US20030054465A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C406
; CURRENT APPLICATION NUMBER: US/10/199,318
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120

```

```

; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C411
; CURRENT APPLICATION NUMBER: US/10/199,303
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-303-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 267
US-10-199-318-444
; Sequence 444, Application US/10199318
; Publication No. US20030054466A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C406
; CURRENT APPLICATION NUMBER: US/10/199,318
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120

```

```
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-318-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXX 11
        |||||:|:|:|:|
Db      28 EEVVPGGGRSK 38
```

## RESULT 268

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US-10-199-458-444
; Sequence 444, Application US/10199458
; Publication No. US20030054467A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C386
; CURRENT APPLICATION NUMBER: US/10/199,458
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-458-444
```

## RESULT 270

```
US-10-201-324-444
```

```
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-458-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXX 11
        |||||:|:|:|:|
Db      28 EEVVPGGGRSK 38
```

## RESULT 269

```
US-10-199-462-444
; Sequence 444, Application US/10199462
; Publication No. US20030054468A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C421
; CURRENT APPLICATION NUMBER: US/10/199,462
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-462-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXX 11
        |||||:|:|:|:|
Db      28 EEVVPGGGRSK 38
```



APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ACIDS ENCODING THE SAME  
 FILE REFERENCE: P3430R1C432  
 CURRENT APPLICATION NUMBER: US/10/201,527  
 CURRENT FILING DATE: 2002-07-22  
 PRIOR APPLICATION NUMBER: 10/052586  
 PRIOR FILING DATE: 2002-01-15  
 PRIOR APPLICATION NUMBER: 60/059263  
 PRIOR FILING DATE: 1997-09-18  
 PRIOR APPLICATION NUMBER: 60/059266  
 PRIOR FILING DATE: 1997-09-18  
 PRIOR APPLICATION NUMBER: 60/062250  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/063120  
 PRIOR FILING DATE: 1997-10-24  
 PRIOR APPLICATION NUMBER: 60/063121

```
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-527-444
```

```
Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38
```

```
RESULT 273
US-10-201-528-444
; Sequence 444, Application US/10201528
; Publication No. US20030054472A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC446
; CURRENT APPLICATION NUMBER: US/10/201,528
; PRIOR FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
```

```
US-10-201-528-444
Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38
```

```
RESULT 274
US-10-201-529-444
; Sequence 444, Application US/10201529
; Publication No. US20030054473A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC439
; CURRENT APPLICATION NUMBER: US/10/201,529
; PRIOR FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-529-444
```

```
Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38
```

```
RESULT 275
US-10-201-530-444
; Sequence 444, Application US/10201530
; Publication No. US20030054474A1
```

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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C435
; CURRENT APPLICATION NUMBER: US/10/201,530
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-530-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGGRSK 38

RESULT 276
US-10-202-408-444
; Sequence 444, Application US/10202408
; Publication No. US20030054475A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C428
; CURRENT APPLICATION NUMBER: US/10/202,409
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-202-408-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGGRSK 38

RESULT 277
US-10-202-409-444
; Sequence 444, Application US/10202409
; Publication No. US20030054476A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C428
; CURRENT APPLICATION NUMBER: US/10/202,409
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-202-408-444

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;; PRIOR FILING DATE: 1997-10-21  
;; PRIOR APPLICATION NUMBER: 60/063540  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063541  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063544  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-202-409-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
|||||:|||||:  
Db 28 EEVVPGGGRSK 38

RESULT 278  
US-10-202-411-444  
;; Sequence 444, Application US/10202411  
;; Publication No. US20030054477A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Chen, Jian  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Pan, James  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430R1C463  
;; CURRENT APPLICATION NUMBER: US/10/202,411  
;; PRIOR FILING DATE: 2002-07-23  
;; PRIOR APPLICATION NUMBER: 60/052586  
;; PRIOR FILING DATE: 2002-01-15  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/059263  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/063120  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063121  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063486  
;; PRIOR FILING DATE: 1997-10-21  
;; PRIOR APPLICATION NUMBER: 60/063540  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063541  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063544  
;; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-202-411-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
|||||:|||||:  
Db 28 EEVVPGGGRSK 38

RESULT 279  
US-10-202-472-444  
;; Sequence 444, Application US/10202472  
;; Publication No. US20030054478A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Chen, Jian  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Pan, James  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430R1C427  
;; CURRENT APPLICATION NUMBER: US/10/202,472  
;; PRIOR FILING DATE: 2002-07-23  
;; PRIOR APPLICATION NUMBER: 10/052586  
;; PRIOR FILING DATE: 2002-01-15  
;; PRIOR APPLICATION NUMBER: 60/059263  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/059266  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/063120  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063121  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063486  
;; PRIOR FILING DATE: 1997-10-21  
;; PRIOR APPLICATION NUMBER: 60/063540  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063541  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063544  
;; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-202-472-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
|||||:|||||:  
Db 28 EEVVPGGGRSK 38

RESULT 280  
US-10-205-502-444  
;; Sequence 444, Application US/10205502  
;; Publication No. US20030054479A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.

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; APPLICANT: Chen,Jian
; APPLICANT: Desnoyers,Luc
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C469
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/10/205,502
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-507-444

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```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38
|||||:

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RESULT 282
US-10-205-511-444
; Sequence 444, Application US/10205511
; Publication No. US2003005448A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C479
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/10/205,511
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540

```

```

; APPLICANT: Chen,Jian
; APPLICANT: Desnoyers,Luc
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C469
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/10/205,502
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-502-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38
|||||:

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RESULT 281
US-10-205-507-444
; Sequence 444, Application US/10205507
; Publication No. US20030054480A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C482
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/10/205,507

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; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063541  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063544  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-205-511-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

RESULT 283  
 US-10-205-902-444  
 ; Sequence 444, Application US/10205902  
 ; Publication No. US20030054482A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C523  
 ; CURRENT APPLICATION NUMBER: US/10/205,902  
 ; CURRENT FILING DATE: 2002-07-25  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/059266  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/063120  
 ; PRIOR FILING DATE: 1997-10-24  
 ; PRIOR APPLICATION NUMBER: 60/063486  
 ; PRIOR FILING DATE: 1997-10-21  
 ; PRIOR APPLICATION NUMBER: 60/063540  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063541  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063544  
 ; PRIOR FILING DATE: 1997-10-28  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-205-902-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

RESULT 285  
 US-09-989-729A-359  
 ; Sequence 359, Application US/09989729A  
 ; Publication No. US20030059831A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

RESULT 284  
 US-10-205-907-444  
 ; Sequence 444, Application US/10205907  
 ; Publication No. US20030054483A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C523  
 ; CURRENT APPLICATION NUMBER: US/10/205,907  
 ; CURRENT FILING DATE: 2002-07-26  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/059266  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/063120  
 ; PRIOR FILING DATE: 1997-10-24  
 ; PRIOR APPLICATION NUMBER: 60/063486  
 ; PRIOR FILING DATE: 1997-10-21  
 ; PRIOR APPLICATION NUMBER: 60/063540  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063541  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063544  
 ; PRIOR FILING DATE: 1997-10-28  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-205-907-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

RESULT 285  
 US-09-989-729A-359  
 ; Sequence 359, Application US/09989729A  
 ; Publication No. US20030059831A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David

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```

APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730FIC59
CURRENT APPLICATION NUMBER: US/09/989,729A
CURRENT FILING DATE: 2001-11-19
PRIORITY APPLICATION NUMBER: 60/049787
PRIORITY FILING DATE: 1997-06-16
PRIORITY APPLICATION NUMBER: 60/062250
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/065186
PRIORITY FILING DATE: 1997-11-12
PRIORITY APPLICATION NUMBER: 60/065311
PRIORITY FILING DATE: 1997-11-13
PRIORITY APPLICATION NUMBER: 60/066770
PRIORITY FILING DATE: 1997-11-24
PRIORITY APPLICATION NUMBER: 60/075945
PRIORITY FILING DATE: 1998-02-25
PRIORITY APPLICATION NUMBER: 60/078910
PRIORITY FILING DATE: 1998-03-20
PRIORITY APPLICATION NUMBER: 60/083322
PRIORITY FILING DATE: 1998-04-28
PRIORITY APPLICATION NUMBER: 60/084600
PRIORITY FILING DATE: 1998-05-07
PRIORITY APPLICATION NUMBER: 60/087106
PRIORITY FILING DATE: 1998-05-28
PRIORITY APPLICATION NUMBER: 60/087607
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087609
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087759
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087827
PRIORITY FILING DATE: 1998-06-03
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PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088025
PRIORITY FILING DATE: 1998-06-04
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PRIORITY FILING DATE: 1998-06-04
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PRIORITY FILING DATE: 1998-06-04
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PRIORITY FILING DATE: 1998-06-05
PRIORITY APPLICATION NUMBER: 60/088655
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PRIORITY FILING DATE: 1998-06-10
PRIORITY APPLICATION NUMBER: 60/088738
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PRIORITY FILING DATE: 1998-06-10
PRIORITY APPLICATION NUMBER: 60/088810
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PRIORITY APPLICATION NUMBER: 60/089952
PRIORITY FILING DATE: 1998-06-19
PRIORITY APPLICATION NUMBER: 60/090246
PRIORITY FILING DATE: 1998-06-22
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PRIORITY FILING DATE: 1998-06-23
PRIORITY APPLICATION NUMBER: 60/090429
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090431
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090435
PRIORITY FILING DATE: 1998-06-24

```

APPLICANT: Goddard, Andrew

1 APPLICANT: Godowski, Paul J.  
 2 APPLICANT: Grimaldi, J. Christopher  
 3 APPLICANT: Gurney, Austin L.  
 4 APPLICANT: Kljavin, Ivar J.  
 5 APPLICANT: Napier, Mary A.  
 6 APPLICANT: Pan, James  
 7 APPLICANT: Paoni, Nicholas F.  
 8 APPLICANT: Roy, Margaret Ann  
 9 APPLICANT: Stewart, Timothy A.  
 10 APPLICANT: Tumas, Daniel  
 11 APPLICANT: Watanabe, Colin K.  
 12 APPLICANT: Williams, P. Mickey  
 13 APPLICANT: Wood, William I.  
 14 APPLICANT: Zhang, Zemin  
 15 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 16 ACIDS Encoding the Same  
 17 FILE REFERENCE: P2730P1C21  
 18 CURRENT APPLICATION NUMBER: US/09/990,440  
 19 CURRENT FILING DATE: 2001-11-14  
 20 PRIOR APPLICATION NUMBER: 60/049787  
 21 PRIOR FILING DATE: 1997-06-16  
 22 PRIOR APPLICATION NUMBER: 60/062250  
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 70 PRIOR APPLICATION NUMBER: 60/088217  
 71 PRIOR FILING DATE: 1998-06-05  
 72 PRIOR APPLICATION NUMBER: 60/088655  
 73 PRIOR FILING DATE: 1998-06-09



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Thu May 29 17:38:57 2003

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;; PRIOR APPLICATION NUMBER: 60/091978  
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;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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Db 28 EEVVPGGGRSK 38

RESULT 287  
US-09-991-854-359  
; Sequence 359, Application US/09991854  
; Publication No. US20030059780A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gunney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann	PRIOR FILING DATE: 1998-06-10
APPLICANT: Stewart, Timothy A.	PRIOR APPLICATION NUMBER: 60/088824
APPLICANT: Tumas, Daniel	PRIOR FILING DATE: 1998-06-10
APPLICANT: Watanabe, Colin K.	PRIOR APPLICATION NUMBER: 60/088826
APPLICANT: Williams, P. Mickey	PRIOR FILING DATE: 1998-06-10
APPLICANT: Wood, William I.	PRIOR APPLICATION NUMBER: 60/088858
APPLICANT: Zhang, Zemin	PRIOR FILING DATE: 1998-06-11
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic	PRIOR APPLICATION NUMBER: 60/088861
FILE REFERENCE: P2730PIC24	PRIOR FILING DATE: 1998-06-11
CURRENT FILING DATE: 2001-11-14	PRIOR APPLICATION NUMBER: 60/088861
PRIOR APPLICATION NUMBER: 60/049787	PRIOR FILING DATE: 1998-06-11
PRIOR FILING DATE: 1997-06-16	PRIOR APPLICATION NUMBER: 60/088876
PRIOR APPLICATION NUMBER: 60/062250	PRIOR FILING DATE: 1998-06-11
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PRIOR APPLICATION NUMBER: 60/088742	PRIOR FILING DATE: 1998-06-24
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PRIOR APPLICATION NUMBER: 60/088810	PRIOR FILING DATE: 1998-06-24
	PRIOR APPLICATION NUMBER: 60/090557
	PRIOR FILING DATE: 1998-06-24

Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

**TITLE OF INVENTION:** Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

1	PRIOR APPLICATION NUMBER: 60/090670
2	PRIOR FILING DATE: 1998-06-25
3	PRIOR APPLICATION NUMBER: 60/090678
4	PRIOR FILING DATE: 1998-06-25
5	PRIOR APPLICATION NUMBER: 60/090690
6	PRIOR FILING DATE: 1998-06-25
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29	PRIOR APPLICATION NUMBER: 60/091978
30	PRIOR FILING DATE: 1998-07-07
31	PRIOR APPLICATION NUMBER: 60/091982
32	PRIOR FILING DATE: 1998-07-07
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34	PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;

Query Match

Best Local Similarity	45.3%	Pred. NO: 2.5e+02,	0;
Conservative	5;	Mismatches	0;
Indels	6;	Gaps	0;

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RESULT 288

US-09-997-349-359

Sequence 359, Application US/09997349

Publication No. US20030059832A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
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;; PRIOR FILING DATE: 1998-06-11  
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;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

## Query Match

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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Db 28 EEVPGGGRSK 38

## RESULT 289

US-09-997-440-359  
; Sequence 359, Application US/09997440  
; Publication No. US20030059833A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC31  
; CURRENT APPLICATION NUMBER: US/09/997,440  
; PRIOR FILING DATE: 2001-11-15  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16

[illegible]

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; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 290
US-09-997-628-359
; Sequence 359, Application US/09997628
; Publication No. US20030059782A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C30
; CURRENT APPLICATION NUMBER: US/09/997,628
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
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; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17

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Thu May 29 17:38:57 2003

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; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
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; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
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; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
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; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
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; PRIOR FILING DATE: 1998-06-24
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; PRIOR APPLICATION NUMBER: 60/090678
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; PRIOR APPLICATION NUMBER: 60/090695
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; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544

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; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/09178
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2, 5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EEVVPXXXXX 11
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Db 28 EEVPPGGGRSK 38

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# RESULT 291

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US-09-997-683-359
; Sequence 359, Application US/09997683
; Publication No. US20030059783A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC32
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28

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audet-909164-5.dx-anysize600.rapb

;	PRIOR FILING DATE:	1998-06-17
;	PRIOR APPLICATION NUMBER:	60/089653
;	PRIOR FILING DATE:	1998-06-17
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;	PRIOR FILING DATE:	1998-06-18
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;	PRIOR FILING DATE:	1998-06-19
;	PRIOR APPLICATION NUMBER:	60/089952
;	PRIOR FILING DATE:	1998-06-19
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;	PRIOR APPLICATION NUMBER:	60/090254
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;	PRIOR FILING DATE:	1998-06-24
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;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090435
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090444
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;	PRIOR APPLICATION NUMBER:	60/090557
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090676
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;	PRIOR APPLICATION NUMBER:	60/090678
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;	PRIOR APPLICATION NUMBER:	60/090690
;	PRIOR FILING DATE:	1998-06-25
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;	PRIOR APPLICATION NUMBER:	60/090696
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;	PRIOR APPLICATION NUMBER:	60/090862
;	PRIOR FILING DATE:	1998-06-26
;	PRIOR APPLICATION NUMBER:	60/090863
;	PRIOR FILING DATE:	1998-06-26
;	PRIOR APPLICATION NUMBER:	60/091360
;	PRIOR FILING DATE:	1998-07-01
;	PRIOR APPLICATION NUMBER:	60/091478
;	PRIOR FILING DATE:	1998-07-02
;	PRIOR APPLICATION NUMBER:	60/091544
;	PRIOR FILING DATE:	1998-07-01
;	PRIOR APPLICATION NUMBER:	60/091519
;	PRIOR FILING DATE:	1998-07-02
;	PRIOR APPLICATION NUMBER:	60/091626
;	PRIOR FILING DATE:	1998-07-02
;	PRIOR APPLICATION NUMBER:	60/091633
;	PRIOR FILING DATE:	1998-07-02



; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

RESULT 292  
US-10-194-456-444  
; Sequence 444, Application US/10194456  
; Publication No. US20030059879A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC304

; CURRENT FILING DATE: 2002-07-12  
; PRIOR APPLICATION NUMBER: US/10/194,456

; PRIOR FILING DATE: 2002-07-12  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444

; LENGTH: 135  
; TYPE: PRT

; ORGANISM: Homo Sapien  
US-10-194-456-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

RESULT 293

US-10-196-758-444  
; Sequence 444, Application US/10196758  
; Publication No. US20030059880A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC341

; CURRENT FILING DATE: 2002-07-16  
; PRIOR APPLICATION NUMBER: US/10/196,758

; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444

; LENGTH: 135  
; TYPE: PRT

; ORGANISM: Homo Sapien  
US-10-196-758-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

RESULT 294

US-10-198-770-444  
; Sequence 444, Application US/10198770  
; Publication No. US20030059882A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.

```
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C418
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: US/10/198,770
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-198-770-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 BEVVPXXXXX 11
Db 28 BEVPGGGRSK 38

RESULT 295
US-10-199-308-444
; Sequence 444, Application US/10199308
; Publication No. US20030059883a1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C416
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: US/10/199,308
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-308-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 BEVVPXXXXX 11
Db 28 BEVPGGGRSK 38

RESULT 296
US-10-200-617-444
; Sequence 444, Application US/10200617
; Publication No. US20030059884a1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C380
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US/10/200,617
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
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LENGTH: 135  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-200-617-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

## RESULT 297

US-10-205-893-444  
 Sequence 444, Application US/10205893

Publication No. US20030059885A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pan, James

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3430RIC505

CURRENT FILING DATE: 2002-07-25

PRIOR APPLICATION NUMBER: US/10/205,893

PRIOR FILING DATE: 2002-01-15

PRIOR APPLICATION NUMBER: 60/052586

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059266

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/063120

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063121

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063486

PRIOR FILING DATE: 1997-10-21

PRIOR APPLICATION NUMBER: 60/063540

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063541

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063544

PRIOR FILING DATE: 1997-10-28

Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 612

SEQ ID NO 444

LENGTH: 135

TYPE: PRT

ORGANISM: Homo Sapien

US-10-205-893-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

## RESULT 298

US-10-205-897-444

Sequence 444, Application US/10205897

Publication No. US20030059886A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pan, James

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3430RIC502

CURRENT FILING DATE: 2002-07-25

PRIOR APPLICATION NUMBER: US/10/205,897

PRIOR FILING DATE: 2002-01-15

PRIOR APPLICATION NUMBER: 60/052586

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059266

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/063120

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063121

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063486

PRIOR FILING DATE: 1997-10-21

PRIOR APPLICATION NUMBER: 60/063540

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063541

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063544

PRIOR FILING DATE: 1997-10-28

Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 612

SEQ ID NO 444

LENGTH: 135

TYPE: PRT

ORGANISM: Homo Sapien

US-10-205-897-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

## RESULT 299

US-09-993-469-359

Sequence 359, Application US/09993469

Publication No. US20030068623A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C5  
CURRENT APPLICATION NUMBER: US/09/993,469  
PRIOR FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
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PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
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PRIOR FILING DATE: 1998-06-24  
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;; PRIOR APPLICATION NUMBER: 60/090696  
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;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
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;; PRIOR FILING DATE: 1998-07-02  
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;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
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;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38  
|||||:|:|:|

## RESULT 301

US-09-997-542-359  
; Sequence 359, Application US/09997542  
; Publication No. US20030068647A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gertsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

audet-909164-5.dx-anysize600.rapb

Thu May 29 17:38:57 2003

; TITLE OF INVENTION: Acids Encoding the Same  
 ; FILE REFERENCE: P2730P1C26  
 ; CURRENT APPLICATION NUMBER: US/09/997,542  
 ; CURRENT FILING DATE: 2001-11-15  
 ; PRIOR APPLICATION NUMBER: 60/049787  
 ; PRIOR FILING DATE: 1997-06-16  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/065186  
 ; PRIOR FILING DATE: 1997-11-12  
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 ; PRIOR FILING DATE: 1997-11-13  
 ; PRIOR APPLICATION NUMBER: 60/066770  
 ; PRIOR FILING DATE: 1997-11-24  
 ; PRIOR APPLICATION NUMBER: 60/075945  
 ; PRIOR FILING DATE: 1998-02-25  
 ; PRIOR APPLICATION NUMBER: 60/078910  
 ; PRIOR FILING DATE: 1998-03-20  
 ; PRIOR APPLICATION NUMBER: 60/083322  
 ; PRIOR FILING DATE: 1998-04-28  
 ; PRIOR APPLICATION NUMBER: 60/084600  
 ; PRIOR FILING DATE: 1998-05-07  
 ; PRIOR APPLICATION NUMBER: 60/087106  
 ; PRIOR FILING DATE: 1998-05-28  
 ; PRIOR APPLICATION NUMBER: 60/087607  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087609  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087759  
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 ; PRIOR APPLICATION NUMBER: 60/088826  
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 ; PRIOR APPLICATION NUMBER: 60/088858  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088861

; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088876  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/089105  
 ; PRIOR FILING DATE: 1998-06-12  
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 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089512  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089514  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089532  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089538  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089598  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089599  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089600  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089653  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089801  
 ; PRIOR FILING DATE: 1998-06-18  
 ; PRIOR APPLICATION NUMBER: 60/089907  
 ; PRIOR FILING DATE: 1998-06-18  
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 ; PRIOR FILING DATE: 1998-06-18  
 ; PRIOR APPLICATION NUMBER: 60/089947  
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 ; PRIOR APPLICATION NUMBER: 60/090349  
 ; PRIOR FILING DATE: 1998-06-23  
 ; PRIOR APPLICATION NUMBER: 60/090355  
 ; PRIOR FILING DATE: 1998-06-23  
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 ; PRIOR FILING DATE: 1998-06-24  
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 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090435  
 ; PRIOR FILING DATE: 1998-06-24  
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 ; PRIOR APPLICATION NUMBER: 60/090445  
 ; PRIOR FILING DATE: 1998-06-24  
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 ; PRIOR FILING DATE: 1998-06-24  
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 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090557  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090676  
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 ; PRIOR APPLICATION NUMBER: 60/090678  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090690  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090694  
 ; PRIOR FILING DATE: 1998-06-25

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; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

```

## RESULT 302

```

US-10-174-571-444
; Sequence 444, Application US/10174571
; Publication No. US20030068679A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C29
; CURRENT APPLICATION NUMBER: US/10/174,571
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien

```

## US-10-174-571-444

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

```

## RESULT 303

```

US-10-176-746-444
; Sequence 444, Application US/10176746
; Publication No. US20030068680A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C81
; CURRENT APPLICATION NUMBER: US/10/176,746
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien

```

## US-10-176-746-444

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

```

## RESULT 304

```

US-10-176-923-444
; Sequence 444, Application US/10176923
; Publication No. US20030068681A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C17
; CURRENT APPLICATION NUMBER: US/10/176,923
; CURRENT FILING DATE: 2002-06-21
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien

```

## US-10-176-923-444

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11

```







audet-909164-5.dx-anysize600.rapb

Thu May 29 17:38:57 2003

```

; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-192-006-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
        |||||:|:|:|:|
DB      28 EEVPGGGRSK 38

RESULT 313
US-10-192-008-444
; Sequence 444, Application US/10192008
; Publication No. US20030068693A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C285
; CURRENT APPLICATION NUMBER: US/10/192.008
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063734
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063870
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066120
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/066466
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/069335
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069425
; PRIOR FILING DATE: 1997-12-12
; PRIOR APPLICATION NUMBER: 60/069870
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/068017
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
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; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-05-06
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; PRIOR FILING DATE: 1998-05-07
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; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085582

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;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085700  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/086023  
;; PRIOR FILING DATE: 1998-05-18  
;; PRIOR APPLICATION NUMBER: 60/086392  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/086486  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/087098  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087208  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088722  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088740  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088811  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088825  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088863  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088909  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 314

US-10-192-009-444  
; Sequence 444, Application US/10192009  
; Publication No. US20030068694A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC290  
; CURRENT APPLICATION NUMBER: US/10/192,009  
; CURRENT FILING DATE: 2002-07-09  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-192-009-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 315

US-10-192-012-444  
; Sequence 444, Application US/10192012  
; Publication No. US20030068695A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC288  
; CURRENT APPLICATION NUMBER: US/10/192,012  
; CURRENT FILING DATE: 2002-07-09  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT

; ORGANISM: Homo Sapien  
US-10-192-012-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 316

US-10-192-014-444  
; Sequence 444, Application US/10192014  
; Publication No. US20030068696A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C289  
; CURRENT FILING DATE: 2002-07-09  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-192-014-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 317

US-10-192-016-444

; Sequence 444, Application US/10192016  
; Publication No. US20030068697A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C283  
; CURRENT FILING DATE: 2002-07-09  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-192-016-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 318

US-10-194-362-444  
; Sequence 444, Application US/10194362  
; Publication No. US20030068698A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C305  
; CURRENT FILING DATE: 2002-07-12  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-362-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 319

US-10-194-364-444

; Sequence 444, Application US/10194364  
; Publication No. US20030068699A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C309  
; CURRENT FILING DATE: 2002-07-12  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612

```
; CURRENT FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-364-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 EEVVPXXXXX 11
| | | | | : : : :
Db 28 EEVVPGGGRSK 38
```

```
RESULT 320
US-10-194-395-444
; Sequence 444, Application US/10194395
; Publication No. US20030068700A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C294
; CURRENT APPLICATION NUMBER: US/10/194.395
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-364-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
```

```
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-395-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 EEVVPXXXXX 11
| | | | | : : : :
Db 28 EEVVPGGGRSK 38
```

```
RESULT 321
US-10-194-424-444
; Sequence 444, Application US/10194424
; Publication No. US20030068701A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C314
; CURRENT APPLICATION NUMBER: US/10/194.424
; CURRENT FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-424-444
```

Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

## RESULT 322

US-10-194-458-444  
; Sequence 444, Application US/10194458  
; Publication No. US20030068702A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC307  
; CURRENT APPLICATION NUMBER: US/10/194,458  
; CURRENT FILING DATE: 2002-07-12  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-458-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

## RESULT 323

US-10-194-459-444  
; Sequence 444, Application US/10194459  
; Publication No. US20030068703A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC293  
; CURRENT APPLICATION NUMBER: US/10/194,459  
; CURRENT FILING DATE: 2002-07-11  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-459-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

## RESULT 325

US-10-195-886-444  
; Sequence 444, Application US/10195886  
; Publication No. US20030068705A1

; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-459-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

## RESULT 324

US-10-194-488-444  
; Sequence 444, Application US/10194488  
; Publication No. US20030068704A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC299  
; CURRENT APPLICATION NUMBER: US/10/194,488  
; CURRENT FILING DATE: 2002-07-11  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-488-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

```
; CURRENT APPLICATION NUMBER: US/10/195,891
; CURRENT FILING DATE: 2002-07-15
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application nos data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-195-891-444

Query Match      100.0%; Score 31; DB 9; Length 11
Best Local Similarity 45.5%; pred. No. 2.5e+02;
Matches          5; Conservative        6; Mismatches    0; Indels

QY      1 EEVVPXXXXXX ll
Db      28 EEVPPGGRSK 38
|||||:|||||:

RESULT 327
US-10-196-746-444
; Sequence 444, Application US/10196746
; Publication No. US20030068707A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
; FILE REFERENCE: P3430R1C349
; CURRENT APPLICATION NUMBER: US/10/196,746
; CURRENT FILING DATE: 2002-07-16
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
```



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; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-746-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 328
US-10-196-752-444
; Sequence 444, Application US/10196752
; Publication No. US20030068708A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C354
; CURRENT APPLICATION NUMBER: US/10/196,752
; CURRENT FILING DATE: 2002-07-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-752-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 329
US-10-196-753-444
; Sequence 444, Application US/10196753
; Publication No. US20030068708A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C339
; CURRENT APPLICATION NUMBER: US/10/196,754
; CURRENT FILING DATE: 2002-07-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-753-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 330
US-10-196-754-444
; Sequence 444, Application US/10196754
; Publication No. US20030067478A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C339
; CURRENT APPLICATION NUMBER: US/10/196,754
; CURRENT FILING DATE: 2002-07-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-753-444

```

; ORGANISM: Homo Sapien  
US-10-196-754-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
|||||:|||||

Db 28 EEVVPGGGRSK 38

## RESULT 331

US-10-196-761-444

; Sequence 444, Application US/10196761

; Publication No. US20030068710A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C352

; CURRENT FILING DATE: 2002-07-16

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-196-761-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

|||||:|||||

Db 28 EEVVPGGGRSK 38

## RESULT 332

US-10-197-692-444

; Sequence 444, Application US/10197692

; Publication No. US20030068711A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C359

; CURRENT FILING DATE: 2002-07-17

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-197-693-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
|||||:|||||

Db 28 EEVVPGGGRSK 38

; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-197-692-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
|||||:|||||

Db 28 EEVVPGGGRSK 38

## RESULT 333

US-10-197-693-444

; Sequence 444, Application US/10197693

; Publication No. US20030068712A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C371

; CURRENT APPLICATION NUMBER: US/10/197,693

; CURRENT FILING DATE: 2002-07-17

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-197-693-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
|||||:|||||

Db 28 EEVVPGGGRSK 38

```

RESULT 334
US-10-197-696-444
; Sequence 444, Application US/10197696
; Publication No. US20030068713A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC362
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-696-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 335
US-10-197-698-444
; Sequence 444, Application US/10197698
; Publication No. US20030068714A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC356
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US/10/197,698
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-698-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 336
US-10-197-703-444
; Sequence 444, Application US/10197703
; Publication No. US20030068715A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC358
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-703-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 337
US-10-197-711-444
; Sequence 444, Application US/10197711
; Publication No. US20030068716A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC358
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-711-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

```

```
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C363
; CURRENT APPLICATION NUMBER: US/10/197,711
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-711-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 338
US-10-198-757-444
; Sequence 444, Application US/10198757
; Publication No. US20030068717A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C414
; CURRENT APPLICATION NUMBER: US/10/198,757
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
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; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-198-757-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 339
US-10-198-761-444
; Sequence 444, Application US/10198761
; Publication No. US20030068718A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C391
; CURRENT APPLICATION NUMBER: US/10/198,761
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
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; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-198-761-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
      |||||:.....  
Db 28 EEVVPGGGRSK 38

## RESULT 340

US-10-198-762-444  
; Sequence 444, Application US/10198762  
; Publication No. US20030068719A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C409  
; CURRENT APPLICATION NUMBER: US/10/198.762

; CURRENT FILING DATE: 2002-07-19  
; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28  
; PRIOR Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444

; LENGTH: 135  
; TYPE: PRT

; ORGANISM: Homo Sapien  
US-10-198-762-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
      |||||:.....  
Db 28 EEVVPGGGRSK 38

## RESULT 341

US-10-198-763-444  
; Sequence 444, Application US/10198763  
; Publication No. US20030068720A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C392  
; CURRENT APPLICATION NUMBER: US/10/198.763

; CURRENT FILING DATE: 2002-07-18  
; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28  
; PRIOR Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444

; LENGTH: 135  
; TYPE: PRT

; ORGANISM: Homo Sapien  
US-10-198-763-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
      |||||:.....  
Db 28 EEVVPGGGRSK 38

## RESULT 342

US-10-198-767-444  
; Sequence 444, Application US/10198767  
; Publication No. US20030068721A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood,William I.  
; APPLICANT: Zhang,Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C412  
; CURRENT FILING DATE: 2002-07-19  
; PRIOR APPLICATION NUMBER: US/10/198,767  
; PRIOR FILING DATE: 2002-07-19  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-198-767-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 343  
US-10-199-301-444  
; Sequence 444, Application US/10199301  
; Publication No. US20030068722A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C382  
; CURRENT FILING DATE: 2002-07-18  
; PRIOR APPLICATION NUMBER: US/10/199,301  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-199-301-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 344  
US-10-199-307-444  
; Sequence 444, Application US/10199307  
; Publication No. US20030068723A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C388  
; CURRENT FILING DATE: 2002-07-18  
; PRIOR APPLICATION NUMBER: US/10/199,307  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444

LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-199-307-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
DB 28 EEVPGGGRSK 38

## RESULT 345

US-10-199-312-444  
Sequence 444, Application US/10199312  
Publication No. US20030068724A1  
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C403

CURRENT APPLICATION NUMBER: US/10/199,312  
CURRENT FILING DATE: 2002-07-19

PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15

PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21

PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28

Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 612

SEQ ID NO 444  
LENGTH: 135

TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-199-312-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
DB 28 EEVPGGGRSK 38

## RESULT 346

US-10-199-315-444  
Sequence 444, Application US/10199315  
Publication No. US20030068725A1  
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C385

CURRENT APPLICATION NUMBER: US/10/199,315  
CURRENT FILING DATE: 2002-07-18

Prior Application removed - See File Wrapper or PALM

NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444

LENGTH: 135  
TYPE: PRT

ORGANISM: Homo Sapien  
US-10-199-315-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
DB 28 EEVPGGGRSK 38

## RESULT 347

US-10-199-316-444

Sequence 444, Application US/10199316  
Publication No. US20030068726A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C419

CURRENT APPLICATION NUMBER: US/10/199,316  
CURRENT FILING DATE: 2002-07-19

PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15

PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21

PRIOR APPLICATION NUMBER: 60/063540

```
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-316-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 28 EEVVPGGGRSK 38

RESULT 348
US-10-199-457-444
; Sequence 444, Application US/10199457
; Publication No. US20030068727A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C415
; CURRENT APPLICATION NUMBER: US/10/199,457
; CURRENT FILING DATE: 2002-07-19
; Prior Application removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-457-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 28 EEVVPGGGRSK 38

RESULT 349
US-10-199-459-444
; Sequence 444, Application US/10199459
; Publication No. US20030068728A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C424
; CURRENT APPLICATION NUMBER: US/10/199,459
; CURRENT FILING DATE: 2002-07-19
; Prior Application removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-459-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 28 EEVVPGGGRSK 38

RESULT 350
US-10-199-460-444
; Sequence 444, Application US/10199460
; Publication No. US20030068729A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C381
; CURRENT APPLICATION NUMBER: US/10/199,460
; CURRENT FILING DATE: 2002-07-18
; Prior Application removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-460-444
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Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
DB      28 EEVVGGRSK 38
          |||||:::

RESULT 351
US-10-199-461-444
; Sequence 444, Application US/10199461
; Publication No. US20030068730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC377
; CURRENT APPLICATION NUMBER: US/10/199,461
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-461-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
DB      28 EEVVGGRSK 38
          |||||:::

RESULT 352
US-10-199-667-444
; Sequence 444, Application US/10199667
; Publication No. US20030068731A1

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; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC433
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US/10/201,326
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-326-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 357
US-10-201-532-444
; Sequence 444, Application US/10201532
; Publication No. US20030068736A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC444
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US/10/201,532
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18

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; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-532-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 358
US-10-201-533-444
; Sequence 444, Application US/10201533
; Publication No. US20030068737A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC430
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US/10/201,533
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.

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audet-909164-5.dx-anysize600.rapb

APPLICANT: Wood,William I.  
APPLICANT: Zhang,Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430RIC434  
CURRENT APPLICATION NUMBER: US/10/201,771  
CURRENT FILING DATE: 2002-07-22  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-201-771-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 362  
US-10-201-854-444  
Sequence 444, Application US/10201854  
Publication No. US20030068741A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430RIC451  
CURRENT APPLICATION NUMBER: US/10/201,854  
CURRENT FILING DATE: 2002-07-23  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-201-854-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 363  
US-10-202-410-444  
Sequence 444, Application US/10202410  
Publication No. US20030068742A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430RIC447  
CURRENT APPLICATION NUMBER: US/10/202,410  
CURRENT FILING DATE: 2002-07-23  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444



```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C486
; CURRENT APPLICATION NUMBER: US/10/205,503
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-503-444

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Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPVXXXXX 11
Db      28 EEVPPGGGRSK 38

```

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RESULT 367
US-10-205-512-444
; Sequence 444, Application US/10205512
; Publication No. US20030068746A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C481
; CURRENT APPLICATION NUMBER: US/10/205,512
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24

```

```

; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-512-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPVXXXXX 11
Db      28 EEVPPGGGRSK 38

```

```

RESULT 368
US-10-205-892-444
; Sequence 444, Application US/10205892
; Publication No. US20030068747A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C517
; CURRENT APPLICATION NUMBER: US/10/205,892
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT

```

```
; ORGANISM: Homo Sapien
US-10-205-892-444

Query Match
  Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
  Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 369
US-10-205-894-444
; Sequence 444, Application US/10205894
; Publication No. US20030068748A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC506
; CURRENT APPLICATION NUMBER: US/10/205,894
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-896-444

Query Match
  Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
  Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 371
US-10-205-898-444
; Sequence 444, Application US/10205898
; Publication No. US20030068750A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC487
; CURRENT APPLICATION NUMBER: US/10/205,896
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-894-444

Query Match
  Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
  Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 370
US-10-205-896-444
; Sequence 444, Application US/10205896
```



FILE REFERENCE: P3430R1C510  
CURRENT APPLICATION NUMBER: US/10/205,898  
CURRENT FILING DATE: 2002-07-26  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-898-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 372  
US-10-205-901-444  
Sequence 444, Application US/10205901  
Publication No. US20030068751A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C509  
CURRENT APPLICATION NUMBER: US/10/205,901  
CURRENT FILING DATE: 2002-07-26  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-901-444

PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-901-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 373  
US-10-205-903-444  
Sequence 444, Application US/10205903  
Publication No. US20030068752A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C503  
CURRENT APPLICATION NUMBER: US/10/205,903  
CURRENT FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-903-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 374

US-10-206-909-444  
; Sequence 444, Application US/10206909  
; Publication No. US20030068753A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC508

; CURRENT APPLICATION NUMBER: US/10/206,909

; PRIOR FILING DATE: 2002-07-26

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-206-909-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 375

US-10-206-910-444  
; Sequence 444, Application US/10206910  
; Publication No. US20030068754A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RIC528

; CURRENT APPLICATION NUMBER: US/10/206,910

; PRIOR FILING DATE: 2002-07-26

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-206-910-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 376

US-10-206-911-444  
; Sequence 444, Application US/10206911  
; Publication No. US20030068755A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RIC492

; CURRENT APPLICATION NUMBER: US/10/206,911

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Thu May 29 17:38:57 2003

```

; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-911-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGRSK 38

```

```

RESULT 377
US-10-206-912-444
; Sequence 444, Application US/10206912
; Publication No. US20030068756A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C524
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-911-444

```

```

; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-912-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGRSK 38

```

```

RESULT 378
US-10-206-913-444
; Sequence 444, Application US/10206913
; Publication No. US20030068757A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C496
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-913-444

```

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Query Match 100.0%; Score 31; DB 9; Length 135;

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APPLICANT: \_\_\_\_\_  
APPLICANT: \_\_\_\_\_

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; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-923-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 382
US-10-206-923-444
; Sequence 444, Application US/10206923
; Publication No. US20030068761A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C520
; CURRENT APPLICATION NUMBER: US/10/206.925
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-925-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 382
US-10-206-923-444
; Sequence 444, Application US/10206923
; Publication No. US20030068761A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C520
; CURRENT APPLICATION NUMBER: US/10/206.923
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-921-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 382
US-10-206-923-444
; Sequence 444, Application US/10206923
; Publication No. US20030068761A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C520
; CURRENT APPLICATION NUMBER: US/10/206.923
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-921-444

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QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 28 EEVVPGGGRSK 38

## RESULT 384

US-10-206-926-444  
 ; Sequence 444, Application US/10206926  
 ; Publication No. US20030068763A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P34301C494  
 ; CURRENT APPLICATION NUMBER: US/10/206, 926  
 ; CURRENT FILING DATE: 2002-07-25  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/059266  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/063120  
 ; PRIOR FILING DATE: 1997-10-24  
 ; PRIOR APPLICATION NUMBER: 60/063121  
 ; PRIOR FILING DATE: 1997-10-24  
 ; PRIOR APPLICATION NUMBER: 60/063486  
 ; PRIOR FILING DATE: 1997-10-21  
 ; PRIOR APPLICATION NUMBER: 60/063540  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063541  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063544  
 ; PRIOR FILING DATE: 1997-10-28  
 ; Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-206-926-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 28 EEVVPGGGRSK 38

## RESULT 385

US-10-206-927-444  
 ; Sequence 444, Application US/10206927  
 ; Publication No. US20030068764A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P34301C537  
 ; CURRENT APPLICATION NUMBER: US/10/207, 916  
 ; CURRENT FILING DATE: 2002-07-29  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263

; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P34301C497  
 ; CURRENT APPLICATION NUMBER: US/10/206, 927  
 ; CURRENT FILING DATE: 2002-07-25  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/059266  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/063120  
 ; PRIOR FILING DATE: 1997-10-24  
 ; PRIOR APPLICATION NUMBER: 60/063121  
 ; PRIOR FILING DATE: 1997-10-24  
 ; PRIOR APPLICATION NUMBER: 60/063486  
 ; PRIOR FILING DATE: 1997-10-21  
 ; PRIOR APPLICATION NUMBER: 60/063540  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063541  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063544  
 ; PRIOR FILING DATE: 1997-10-28  
 ; Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-206-927-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:~:~:~:  
 Db 28 EEVVPGGGRSK 38

## RESULT 386

US-10-207-916-444  
 ; Sequence 444, Application US/10207916  
 ; Publication No. US20030068765A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P34301C537

; CURRENT APPLICATION NUMBER: US/10/207, 916  
 ; CURRENT FILING DATE: 2002-07-29  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263

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Thu May 29 17:38:57 2003

;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/059266  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/063120  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063121  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063486  
;; PRIOR FILING DATE: 1997-10-21  
;; PRIOR APPLICATION NUMBER: 60/063540  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063541  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063544  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-207-917-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

RESULT 388  
US-10-207-918-444  
;; Sequence 444, Application US/10207918  
;; Publication No. US20030068767A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Chen, Jian  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Pan, James  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430RIC530  
;; CURRENT FILING DATE: 2002-07-29  
;; PRIOR APPLICATION NUMBER: 10/052586  
;; PRIOR FILING DATE: 2002-01-15  
;; PRIOR APPLICATION NUMBER: 60/059263  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/059266  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/063120  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063121  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063486  
;; PRIOR FILING DATE: 1997-10-21  
;; PRIOR APPLICATION NUMBER: 60/063540  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063541  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063544  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-207-918-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

RESULT 387  
US-10-207-917-444  
;; Sequence 444, Application US/10207917  
;; Publication No. US20030068766A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Chen, Jian  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Pan, James  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430RIC543  
;; CURRENT FILING DATE: 2002-07-29  
;; PRIOR APPLICATION NUMBER: 10/052586  
;; PRIOR FILING DATE: 2002-01-15  
;; PRIOR APPLICATION NUMBER: 60/059263  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/059266  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/063120  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063121  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063486  
;; PRIOR FILING DATE: 1997-10-21  
;; PRIOR APPLICATION NUMBER: 60/063540  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063541  
;; PRIOR FILING DATE: 1997-10-28

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Db      28  EEVPPGGGRSK 38
|||||:
RESULT 389
US-10-207-919-444
; Sequence 444, Application US/10207919
; Publication No. US20030068768A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC539
; CURRENT APPLICATION NUMBER: US/10/207,919
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-207-920-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEVPPXXXXX 11
|||||:
Db      28  EEVPPGGGRSK 38
|||||:
RESULT 391
US-10-207-925-444
; Sequence 444, Application US/10207925
; Publication No. US20030068770A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC541
; CURRENT APPLICATION NUMBER: US/10/207,925
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-207-919-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEVPPXXXXX 11
|||||:
Db      28  EEVPPGGGRSK 38
|||||:
RESULT 390
US-10-207-920-444
; Sequence 444, Application US/10207920
; Publication No. US20030068769A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
```



; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-208-021-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

RESULT 393

US-10-208-022-444  
; Sequence 444, Application US/10208022  
; Publication No. US20030068772A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C540  
; CURRENT APPLICATION NUMBER: US/10/208,022  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-208-022-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

RESULT 392

US-10-208-021-444  
; Sequence 444, Application US/10208021  
; Publication No. US20030068771A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C534  
; CURRENT APPLICATION NUMBER: US/10/208,021  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

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Query Match      100.0%;   Score 31;   DB 9;   Length 135;
Best Local Similarity 45.5%;   Pred. No. 2.5e+02;
Matches 5;   Conservative 6;   Mismatches 0;   Indels 0;   Gaps 0;

QY      1  EEVVPXXXXXX 11
        |||||:|:::
Db      28  EEVPPGGGRSK 38

RESULT 395
US-10-208-026-444
: Sequence 444, Application US/10208026
: Publication No. US20030068774A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Chen, Jian
: APPLICANT: Desnoyers, Luc
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Pan, James
: APPLICANT: Smith, Victoria

```

; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-208-029-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 397

US-10-208-030-444  
; Sequence 444, Application US/10208030  
; Publication No. US20030068776A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C536  
; CURRENT APPLICATION NUMBER: US/10/208,030  
; PRIOR FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 60/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-208-030-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 398

US-10-216-159A-108  
; Sequence 108, Application US/10216159A  
; Publication No. US20030069397A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C6  
; CURRENT APPLICATION NUMBER: US/10/216,159A  
; CURRENT FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-216-159A-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 399

US-10-232-232-444  
; Sequence 444, Application US/10232232  
; Publication No. US20030069407A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC551  
; CURRENT APPLICATION NUMBER: US/10/232,232  
; CURRENT FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: US 10/052,586  
; PRIOR FILING DATE: 2001-01-15  
; PRIOR APPLICATION NUMBER: PCT/US01/06520  
; PRIOR FILING DATE: 2001-02-28  
; PRIOR APPLICATION NUMBER: US 09/380,138  
; PRIOR FILING DATE: 1999-08-25  
; PRIOR APPLICATION NUMBER: PCT/US99/05028  
; PRIOR FILING DATE: 1999-03-08  
; PRIOR APPLICATION NUMBER: US 60/082,568  
; PRIOR FILING DATE: 1998-04-21  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-232-232-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e-02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXX 11

Db 28 EEVVPVGGGRSK 38

## RESULT 400

US-09-990-427-359  
; Sequence 359, Application US/09990427  
; Publication No. US20030073809A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Grifflitsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.

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Thu May 29 17:38:57 2003

PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
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PRIOR FILING DATE: 1998-06-24  
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PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
PRIOR FILING DATE: 1998-06-25

PRIOR APPLICATION NUMBER: 60/090690  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090694  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090696  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090862  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091478  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091544  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091626  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091633  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
DB 28 EEVVPGGGRSK 38

RESULT 401

US-09-990-439-359  
Sequence 359, Application US/09990439  
Publication No. US20030073090A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
Acids Encoding the Same  
FILE REFERENCE: P2730PIC52  
CURRENT APPLICATION NUMBER: US/09/990,439

;	PRIOR APPLICATION NUMBER: 60/089100
;	PRIOR FILING DATE: 1998-06-12
;	PRIOR APPLICATION NUMBER: 60/089440
;	PRIOR FILING DATE: 1998-06-16
;	PRIOR APPLICATION NUMBER: 60/089512
;	PRIOR FILING DATE: 1998-06-16
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;	PRIOR APPLICATION NUMBER: 60/089532
;	PRIOR FILING DATE: 1998-06-17
;	PRIOR APPLICATION NUMBER: 60/089538
;	PRIOR FILING DATE: 1998-06-17
;	PRIOR APPLICATION NUMBER: 60/089598
;	PRIOR FILING DATE: 1998-06-17
;	PRIOR APPLICATION NUMBER: 60/089599
;	PRIOR FILING DATE: 1998-06-17
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;	PRIOR FILING DATE: 1998-06-17
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;	PRIOR FILING DATE: 1998-06-18
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;	PRIOR FILING DATE: 1998-06-18
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;	PRIOR FILING DATE: 1998-06-18
;	PRIOR APPLICATION NUMBER: 60/089947
;	PRIOR FILING DATE: 1998-06-19
;	PRIOR APPLICATION NUMBER: 60/089948
;	PRIOR FILING DATE: 1998-06-19
;	PRIOR APPLICATION NUMBER: 60/089952
;	PRIOR FILING DATE: 1998-06-19
;	PRIOR APPLICATION NUMBER: 60/090246
;	PRIOR FILING DATE: 1998-06-22
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;	PRIOR APPLICATION NUMBER: 60/090355
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;	PRIOR APPLICATION NUMBER: 60/090429
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;	PRIOR FILING DATE: 1998-06-24
;	PRIOR APPLICATION NUMBER: 60/090444
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;	PRIOR APPLICATION NUMBER: 60/090445
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;	PRIOR FILING DATE: 1998-06-24
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;	PRIOR FILING DATE: 1998-06-24
;	PRIOR APPLICATION NUMBER: 60/090540
;	PRIOR FILING DATE: 1998-06-24
;	PRIOR APPLICATION NUMBER: 60/090542
;	PRIOR FILING DATE: 1998-06-24
;	PRIOR APPLICATION NUMBER: 60/090557
;	PRIOR FILING DATE: 1998-06-24
;	PRIOR APPLICATION NUMBER: 60/090676
;	PRIOR FILING DATE: 1998-06-25
;	PRIOR APPLICATION NUMBER: 60/090678
;	PRIOR FILING DATE: 1998-06-25
;	PRIOR APPLICATION NUMBER: 60/090690
;	PRIOR FILING DATE: 1998-06-25
;	PRIOR APPLICATION NUMBER: 60/090694
;	PRIOR FILING DATE: 1998-06-25
;	PRIOR APPLICATION NUMBER: 60/090695
;	PRIOR FILING DATE: 1998-06-25
;	PRIOR APPLICATION NUMBER: 60/090696

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0

```

Query Match	100.0%	Score 31	DB 9	Length 135
Best Local Similarity	45.5%	Pred. NO. 2.5e+02		
Matches	5	Conservative	6	Mismatches 0
Indels	0			
Gaps	0			

RESULT 403  
US-10-174-578-444

```
RESULT 405
US-10-175-750-444
; Sequence 444, Application US/10175750
; Publication No. US20030073172A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC47
; CURRENT APPLICATION NUMBER: US/10/175,750
; Prior Filing Date: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-750-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 406
US-10-176-986-444
; Sequence 444, Application US/10176986
; Publication No. US20030073173A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC112
; CURRENT APPLICATION NUMBER: US/10/176,986
; Prior Filing Date: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-986-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 407
US-10-184-641-444
; Sequence 444, Application US/10184641
; Publication No. US20030073174A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC186
; CURRENT APPLICATION NUMBER: US/10/184,641
; Prior Filing Date: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-641-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 408
US-10-187-888-444
; Sequence 444, Application US/10187888
; Publication No. US20030073175A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC267
; CURRENT APPLICATION NUMBER: US/10/187,888
; Prior Filing Date: 2002-07-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-888-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38
```



Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 409

US-10-194-360-444  
; Sequence 444, Application US/10194360  
; Publication No. US20030073176A1

## GENERAL INFORMATION:

; APPLICANT: Chen, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C306

; CURRENT APPLICATION NUMBER: US/10/194,360

; CURRENT FILING DATE: 2002-07-12

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-194-360-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 410

US-10-194-365-444

; Sequence 444, Application US/10194365

; Publication No. US20030073177A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C303  
; CURRENT APPLICATION NUMBER: US/10/194,365  
; CURRENT FILING DATE: 2002-07-12  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-365-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 411

US-10-195-895-444

; Sequence 444, Application US/10195895

; Publication No. US20030073178A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C332

; CURRENT APPLICATION NUMBER: US/10/195,895

; CURRENT FILING DATE: 2002-07-15

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-195-895-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 412

US-10-195-898-444

; Sequence 444, Application US/10195898

; Publication No. US20030071834A1

## GENERAL INFORMATION:



RESULT 416  
US-10-205-510-444  
; Sequence 444, Application US/10205510  
; Publication No. US20030073181A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES, AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430RIC483  
; CURRENT APPLICATION NUMBER: US/10/205,510  
; CURRENT FILING DATE: 2002-07-24  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121

```

1 APPLICANT: Zhang, Zemin
2
3 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
4 ACIDS ENCODING THE SAME
5
6 FILE OF INVENTION: P3430R1C499
7
8 FILE REFERENCE: P3430R1C499
9
10 CURRENT APPLICATION NUMBER: US/10/205,891
11
12 CURRENT FILING DATE: 2002-07-25
13
14 PRIOR APPLICATION NUMBER: 10/052586
15
16 PRIOR FILING DATE: 2002-01-15
17
18 PRIOR APPLICATION NUMBER: 60/059263
19
20 PRIOR FILING DATE: 1997-09-18
21
22 PRIOR APPLICATION NUMBER: 60/059266
23
24 PRIOR FILING DATE: 1997-09-18
25
26 PRIOR APPLICATION NUMBER: 60/062250
27
28 PRIOR FILING DATE: 1997-10-17
29
30 PRIOR APPLICATION NUMBER: 60/063120
31
32 PRIOR FILING DATE: 1997-10-24
33
34 PRIOR APPLICATION NUMBER: 60/063121
35
36 PRIOR FILING DATE: 1997-10-24
37
38 PRIOR APPLICATION NUMBER: 60/063486
39
40 PRIOR FILING DATE: 1997-10-21
41
42 PRIOR APPLICATION NUMBER: 60/063540
43
44 PRIOR FILING DATE: 1997-10-28
45
46 PRIOR APPLICATION NUMBER: 60/063541
47
48 PRIOR FILING DATE: 1997-10-28
49
50 PRIOR APPLICATION NUMBER: 60/063544
51
52 PRIOR FILING DATE: 1997-10-28
53
54 PRIOR Application data removed - See File Wrapper or PALM.
55
56 NUMBER OF SEQ ID NOS: 612
57
58 SEQ ID NO 444
59
60 LENGTH: 135
61
62 TYPE: PRT
63
64 ORGANISM: Homo Sapien
65

```

100

; CURRENT APPLICATION NUMBER: US/10/207,923  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-207-923-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 EEVPPGGGRSK 38

RESULT 421  
US-10-207-924-444  
; Sequence 444, Application US/10207924  
; Publication No. US20030073185A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C547  
; CURRENT APPLICATION NUMBER: US/10/207,924  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-207-924-444

; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-207-924-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 EEVPPGGGRSK 38

RESULT 422  
US-10-208-028-444  
; Sequence 444, Application US/10208028  
; Publication No. US20030073186A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C535  
; CURRENT APPLICATION NUMBER: US/10/208,028  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-208-028-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38  
|||||:|:|:|:|:|

## RESULT 423

US-10-218-849-108  
; Sequence 108, Application US/10218849  
; Publication No. US20030073814A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C11  
; CURRENT APPLICATION NUMBER: US/10/218,849  
; Prior Filing Date: 2002-08-12  
; Prior Application removed - See File Wrapper or Palm  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-218-849-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38  
|||||:|:|:|:|:|

## RESULT 424

US-10-227-873-108  
; Sequence 108, Application US/10227873  
; Publication No. US20030073816A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C72  
; CURRENT APPLICATION NUMBER: US/10/227,873  
; CURRENT Filing Date: 2002-08-26  
; Prior Application Number: 10/119,480  
; Prior Filing Date: 2002-04-09  
; Prior Application Number: 60/059113  
; Prior Filing Date: 1997-09-17  
; Prior Application Number: 60/062287

; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
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;; PRIOR FILING DATE: 1999-04-28  
;; PRIOR APPLICATION NUMBER: 60/134287

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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DB 28 EEVFGGGRSK 38

RESULT 425

US-10-227-883-108  
; Sequence 108, Application US/10227883  
; Publication No. US20030073817A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530PIC78  
; CURRENT APPLICATION NUMBER: US/10/227.883  
; CURRENT FILING DATE: 2002-08-26  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
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US-091 421-359
Sequence 359, Application US/09993583
Publication No. US2003007594A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmitted Acids Encoding
TITLE OF INVENTION: Acids Encoding
FILE REFERENCE: P2730P1C7
CURRENT APPLICATION NUMBER: US/09/39993583
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
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PRIOR FILING DATE: 1997-11-13

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PRIOR APPLICATION NUMBER:	60/091478
PRIOR FILING DATE:	1998-07-02

;  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audree  
; APPLICANT: Godowski, Paul  
; APPLICANT: Gurney, Austin

;  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc

;  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc

```
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P34301C445
; CURRENT APPLICATION NUMBER: US/10/201,327
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-327-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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Db      28 EEVVPGGGRSK 38

RESULT 432
US-10-219-076-108
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; Publication No. US20030078379A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C62
; CURRENT APPLICATION NUMBER: US/10/219,076
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
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; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
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; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-076-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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Db      28 EEVVPGGGRSK 38

RESULT 433
US-10-230-434-108
; Sequence 108, Application US/10230434
; Publication No. US20030078380A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C82
; CURRENT APPLICATION NUMBER: US/10/230,434
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
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; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
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PRIOR FILING DATE: 1998-05-15	
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PRIOR FILING DATE: 1998-06-17	
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PRIOR FILING DATE: 1998-08-04	
PRIOR APPLICATION NUMBER: 60/095318	
PRIOR FILING DATE: 1998-08-04	
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PRIOR FILING DATE: 1998-08-10	
PRIOR APPLICATION NUMBER: 60/096146	
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PRIOR APPLICATION NUMBER: 60/100038	
PRIOR FILING DATE: 1998-09-11	
PRIOR APPLICATION NUMBER: 60/100385	
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PRIOR APPLICATION NUMBER: 60/100627	
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PRIOR FILING DATE: 1998-09-18	
PRIOR APPLICATION NUMBER: 60/100919	
PRIOR FILING DATE: 1998-09-17	
PRIOR APPLICATION NUMBER: 60/101477	
PRIOR FILING DATE: 1998-09-23	

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/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: 60/146963
/ PRIOR FILING DATE: 1999-08-03
/ PRIOR APPLICATION NUMBER: 60/149320
/ PRIOR FILING DATE: 1999-08-17
/ PRIOR APPLICATION NUMBER: 60/149638
/ PRIOR FILING DATE: 1999-08-17
/ PRIOR APPLICATION NUMBER: 60/151733
/ PRIOR FILING DATE: 1999-08-31
/ PRIOR APPLICATION NUMBER: 60/164418
/ PRIOR FILING DATE: 1999-11-09
/ PRIOR APPLICATION NUMBER: 60/166361
/ PRIOR FILING DATE: 1999-11-16
/ PRIOR APPLICATION NUMBER: 60/169445
/ PRIOR FILING DATE: 1999-12-07
/ PRIOR APPLICATION NUMBER: 60/169495
/ PRIOR FILING DATE: 1999-12-07
/ PRIOR APPLICATION NUMBER: 60/169835

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 BEVVPXXXXX 11
    |||||:
Db 28 BEVVPGGGRK 38

RESULT 434
US-09-941-992-359
/ Sequence 359, Application US/09941992
/ Publication No. US20030082546A1
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi J.
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Botstein, David
/ APPLICANT: Desnovers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gersitsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Kljavin, Ivar J.
/ APPLICANT: Napier, Mary A.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: P2730p1c1
/ CURRENT APPLICATION NUMBER: US/09/941,992
/ PRIOR FILING DATE: 2001-08-28
/ PRIOR APPLICATION NUMBER: 60/049787
/ PRIOR FILING DATE: 1997-06-16
/ PRIOR APPLICATION NUMBER: 60/062250
/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/065186
/ PRIOR FILING DATE: 1997-11-12
/ PRIOR APPLICATION NUMBER: 60/065311
/ PRIOR FILING DATE: 1997-11-13
/ PRIOR APPLICATION NUMBER: 60/066770
/ PRIOR FILING DATE: 1997-11-24
/ PRIOR APPLICATION NUMBER: 60/075945
/ PRIOR FILING DATE: 1998-02-25
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/ PRIOR FILING DATE: 1998-05-07
/ PRIOR APPLICATION NUMBER: 60/087106
/ PRIOR FILING DATE: 1998-05-28
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/ PRIOR FILING DATE: 1998-06-03
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/ PRIOR FILING DATE: 1998-06-17
/ PRIOR APPLICATION NUMBER: 60/089538
/ PRIOR FILING DATE: 1998-06-17
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6	PRIOR APPLICATION NUMBER: 60/089908	
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13	PRIOR FILING DATE: 1998-06-19	60/090246
14	PRIOR APPLICATION NUMBER: 60/090246	
15	PRIOR FILING DATE: 1998-06-22	60/090252
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25	PRIOR FILING DATE: 1998-06-24	60/090431
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27	PRIOR FILING DATE: 1998-06-24	60/090435
28	PRIOR APPLICATION NUMBER: 60/090435	
29	PRIOR FILING DATE: 1998-06-24	60/090444
30	PRIOR APPLICATION NUMBER: 60/090444	
31	PRIOR FILING DATE: 1998-06-24	60/090445
32	PRIOR APPLICATION NUMBER: 60/090445	
33	PRIOR FILING DATE: 1998-06-24	60/090472
34	PRIOR APPLICATION NUMBER: 60/090472	
35	PRIOR FILING DATE: 1998-06-24	60/090535
36	PRIOR APPLICATION NUMBER: 60/090535	
37	PRIOR FILING DATE: 1998-06-24	60/090540
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39	PRIOR FILING DATE: 1998-06-24	60/090542
40	PRIOR APPLICATION NUMBER: 60/090542	
41	PRIOR FILING DATE: 1998-06-24	60/090557
42	PRIOR APPLICATION NUMBER: 60/090557	
43	PRIOR FILING DATE: 1998-06-24	60/090676
44	PRIOR APPLICATION NUMBER: 60/090676	
45	PRIOR FILING DATE: 1998-06-25	60/090678
46	PRIOR APPLICATION NUMBER: 60/090678	
47	PRIOR FILING DATE: 1998-06-25	60/090690
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53	PRIOR FILING DATE: 1998-06-25	60/090696
54	PRIOR APPLICATION NUMBER: 60/090696	
55	PRIOR FILING DATE: 1998-06-25	60/090862
56	PRIOR APPLICATION NUMBER: 60/090862	
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59	PRIOR FILING DATE: 1998-06-26	60/091360
60	PRIOR APPLICATION NUMBER: 60/091360	
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63	PRIOR FILING DATE: 1998-07-02	60/091544
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69	PRIOR FILING DATE: 1998-07-02	60/091633
70	PRIOR APPLICATION NUMBER: 60/091633	
71	PRIOR FILING DATE: 1998-07-02	60/091978
72	PRIOR APPLICATION NUMBER: 60/091978	
73	PRIOR FILING DATE: 1998-07-07	60/091978
74	PRIOR APPLICATION NUMBER: 60/091978	



; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 436

US-10-173-696-444  
; Sequence 444, Application US/10173696  
; Publication No. US20030082767A1

; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C6  
; CURRENT APPLICATION NUMBER: US/10/173,696

; CURRENT FILING DATE: 2002-06-17  
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444

; LENGTH: 135  
; TYPE: PRT

; ORGANISM: Homo Sapien  
US-10-173-696-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 437

US-10-183-003-444

; Sequence 444, Application US/10183003  
; Publication No. US20030082716A1

; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C82  
; CURRENT APPLICATION NUMBER: US/10/183,003

; CURRENT FILING DATE: 2002-06-26

; PRIOR APPLICATION REMOVED - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444

; LENGTH: 135  
; TYPE: PRT

; ORGANISM: Homo Sapien  
US-10-183-003-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 438

US-10-183-016-444

; Sequence 444, Application US/10183016  
; Publication No. US20030082717A1

; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C175  
; CURRENT APPLICATION NUMBER: US/10/183,016

; CURRENT FILING DATE: 2002-06-26  
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444

; LENGTH: 135  
; TYPE: PRT

; ORGANISM: Homo Sapien  
US-10-183-016-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 439

US-09-997-333-359

; Sequence 359, Application US/09997333  
; Publication No. US20030087304A1

; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paonl, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730PIC27  
CURRENT APPLICATION NUMBER: US/09/997,333  
CURRENT FILING DATE: 2001-11-15  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
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PRIOR FILING DATE: 1998-04-28  
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PRIOR APPLICATION NUMBER: 60/089947  
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PRIOR APPLICATION NUMBER: 60/090246  
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PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
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PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
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PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24

;; PRIOR APPLICATION NUMBER: 60/090542  
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;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
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;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
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;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.58; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:|:|:|

Db 28 EEVVPGGGRSK 38

## RESULT 440

US-09-997-384-359

Sequence 359, Application US/09997384

Publication No. US20030087305A1

## GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Botstein, David  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Eaton, Dan L.  
;; APPLICANT: Ferrara, Napoleone  
;; APPLICANT: Fong, Sherman  
;; APPLICANT: Gerber, Hanspeter  
;; APPLICANT: Gerritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Grimaldi, J. Christopher  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Kijavini, Ivar J.  
;; APPLICANT: Napier, Mary A.  
;; APPLICANT: Pan, James  
;; APPLICANT: Paoni, Nicholas F.  
;; APPLICANT: Roy, Margaret Ann  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel

;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; FILE REFERENCE: P2730PIC35  
;; CURRENT APPLICATION NUMBER: US/09/997,384  
;; CURRENT FILING DATE: 2001-11-15  
;; PRIOR APPLICATION NUMBER: 60/049787  
;; PRIOR FILING DATE: 1997-06-16  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/065186  
;; PRIOR FILING DATE: 1997-11-12  
;; PRIOR APPLICATION NUMBER: 60/065311  
;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: 60/066770  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/075945  
;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
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;; PRIOR FILING DATE: 1998-06-04  
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;; PRIOR APPLICATION NUMBER: 60/090557  
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;; PRIOR APPLICATION NUMBER: 60/090676  
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;; PRIOR FILING DATE: 1998-06-25  
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;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2 5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

## RESULT 441

US-10-125-923A-444  
; Sequence 444, Application US/10125923A  
; Publication No. US20030087348A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C79  
; CURRENT APPLICATION NUMBER: US/10/125,923A  
; CURRENT FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121

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; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-125-923A-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
        |||||:
Db      28 EEVPGGGRSK 38

RESULT 442
US-10-176-491-444
; Sequence 444, Application US/10176491
; Publication No. US20030087373A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C69
; CURRENT APPLICATION NUMBER: US/10/176,491
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-491-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
        |||||:
Db      28 EEVPGGGRSK 38

RESULT 443
US-10-176-979-444
; Sequence 444, Application US/10176979
; Publication No. US20030087374A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey

```

```

; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C108
; CURRENT APPLICATION NUMBER: US/10/176,979
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-979-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
        |||||:
Db      28 EEVPGGGRSK 38

RESULT 444
US-10-187-592-444
; Sequence 444, Application US/10187592
; Publication No. US20030087376A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C253
; CURRENT APPLICATION NUMBER: US/10/187,592
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444

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; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-592-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 445
US-10-219-003-108
; Sequence 108, Application US/10219003
; Publication No. US20030088063A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C12
; CURRENT APPLICATION NUMBER: US/10/219,003
; CURRENT FILING DATE: 2002-08-12
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
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; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
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; PRIOR APPLICATION NUMBER: 60/101738
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101741
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101786
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: 60/101916
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101922
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/106178
; PRIOR FILING DATE: 1998-10-28
; PRIOR APPLICATION NUMBER: 60/106248
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: 60/106464
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/106905
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: 60/108787
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108801
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; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108849
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 60/112422
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113296
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

```

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

```

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 28 EEVPGGGRSK 38

RESULT 446
US-10-219-075-108
; Sequence 108, Application US/10219075
; Publication No. US20030088064A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C61
; CURRENT APPLICATION NUMBER: US/10/219,075
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-075-108

```

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 EEVVPXXXXX 11
DB 28 EEVPGGGRSK 38

```

```

RESULT 447
US-10-219-464-108
; Sequence 108, Application US/10219464
; Publication No. US20030088065A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary

```

```
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C57
; CURRENT APPLICATION NUMBER: US/10/219,464
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-464-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 BEVVPXXXXXX 11
Db 28 BEVVPGGGRSK 38

RESULT 448
US-10-219-466-108
; Sequence 108, Application US/10219466
; Publication No. US20030088066A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C47
; CURRENT APPLICATION NUMBER: US/10/219,466
; CURRENT FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 2002-04-09
```

```
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C57
; CURRENT APPLICATION NUMBER: US/10/219,464
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-466-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 BEVVPXXXXXX 11
Db 28 BEVVPGGGRSK 38

RESULT 449
US-10-219-479-108
; Sequence 108, Application US/10219479
; Publication No. US20030088067A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C33
; CURRENT APPLICATION NUMBER: US/10/219,479
; CURRENT FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 2002-04-09
```



; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-479-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGRSK 38

## RESULT 450

US-10-219-481-108  
; Sequence 108, Application US/10219481  
; Publication No. US20030088068A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530PIC28

US-10-219-481-108  
; CURRENT FILING DATE: 2002-08-13  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-481-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGRSK 38

## RESULT 451

US-10-230-260-108  
; Sequence 108, Application US/10230260  
; Publication No. US20030088070A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530PIC83

US-10-230-260-108  
; CURRENT FILING DATE: 2002-08-28  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-230-260-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGRSK 38

## RESULT 452

US-10-232-231-108  
; Sequence 108, Application US/10232231  
; Publication No. US20030088071A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.

```
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C104
; CURRENT APPLICATION NUMBER: US/10/232,231
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-231-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
    |||||:|:|:|:|
Db 28 EEVVGGRSK 38

RESULT 453
US-10-232-233-108
; Sequence 108, Application US/10232233
; Publication No. US2003008072A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C108
; CURRENT APPLICATION NUMBER: US/10/232,233
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
```

```
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-233-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
    |||||:|:|:|:|
Db 28 EEVVGGRSK 38

RESULT 454
US-10-197-691-444
; Sequence 444, Application US/10197691
; Publication No. US20030092121A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C373
; CURRENT APPLICATION NUMBER: US/10/197,691
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
```

;; PRIOR FILING DATE: 1997-10-28  
;; Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-197-691-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVPPGGGRSK 38

## RESULT 455

US-10-198-771-444  
; Sequence 444, Application US/10198771  
; Publication No. US20030092122A1  
; GENERAL INFORMATION:  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C417  
; CURRENT APPLICATION NUMBER: US/10/198,771  
; CURRENT FILING DATE: 2002-07-19  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-198-771-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVPPGGGRSK 38

DB 28 EEVPPGGGRSK 38

## RESULT 456

US-10-216-165-108  
; Sequence 108, Application US/10216165  
; Publication No. US20030092886A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C7  
; CURRENT APPLICATION NUMBER: US/10/216,165  
; CURRENT FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-216-165-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVPPGGGRSK 38

## RESULT 457

US-10-218-956-108  
; Sequence 108, Application US/10218956  
; Publication No. US20030092887A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.

APPLICANT: Smith, Victoria  
APPLICANT: Stephan, Jean-Philippe F.  
APPLICANT: Watanabe, Colin L.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3530P15  
CURRENT APPLICATION NUMBER: US/10/218,956  
CURRENT FILING DATE: 2002-08-12  
PRIOR APPLICATION NUMBER: 10/119,480  
PRIOR FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063549  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/069873  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079294  
PRIOR FILING DATE: 1998-03-25  
PRIOR APPLICATION NUMBER: 60/079656  
PRIOR FILING DATE: 1998-03-26  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/081819  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/081955  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/082804  
PRIOR FILING DATE: 1998-04-22  
PRIOR APPLICATION NUMBER: 60/084441  
PRIOR FILING DATE: 1998-05-06  
PRIOR APPLICATION NUMBER: 60/085323  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/086392  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089905  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090691  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/095302  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/095318  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/095916  
PRIOR FILING DATE: 1998-08-10  
PRIOR APPLICATION NUMBER: 60/096146  
PRIOR FILING DATE: 1998-08-11  
PRIOR APPLICATION NUMBER: 60/096791  
PRIOR FILING DATE: 1998-08-17  
PRIOR APPLICATION NUMBER: 60/097986  
PRIOR FILING DATE: 1998-08-26  
PRIOR APPLICATION NUMBER: 60/098544  
PRIOR FILING DATE: 1998-08-31  
PRIOR APPLICATION NUMBER: 60/099596  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099598  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099803  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099811  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099812  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099816  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/100038  
PRIOR FILING DATE: 1998-09-11  
PRIOR APPLICATION NUMBER: 60/100385  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100390  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100627  
PRIOR FILING DATE: 1998-09-16  
PRIOR APPLICATION NUMBER: 60/100848  
PRIOR FILING DATE: 1998-09-18  
PRIOR APPLICATION NUMBER: 60/100919  
PRIOR FILING DATE: 1998-09-17  
PRIOR APPLICATION NUMBER: 60/101477  
PRIOR FILING DATE: 1998-09-23  
PRIOR APPLICATION NUMBER: 60/101738  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101741  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101786  
PRIOR FILING DATE: 1998-09-25  
PRIOR APPLICATION NUMBER: 60/101916  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101922  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/106178  
PRIOR FILING DATE: 1998-10-28  
PRIOR APPLICATION NUMBER: 60/106248  
PRIOR FILING DATE: 1998-10-29  
PRIOR APPLICATION NUMBER: 60/106464  
PRIOR FILING DATE: 1998-10-30  
PRIOR APPLICATION NUMBER: 60/106905  
PRIOR FILING DATE: 1998-11-03  
PRIOR APPLICATION NUMBER: 60/108787  
PRIOR FILING DATE: 1998-11-17  
PRIOR APPLICATION NUMBER: 60/108801  
PRIOR FILING DATE: 1998-11-17  
PRIOR APPLICATION NUMBER: 60/108849  
PRIOR FILING DATE: 1998-11-18  
PRIOR APPLICATION NUMBER: 60/112422  
PRIOR FILING DATE: 1998-12-15  
PRIOR APPLICATION NUMBER: 60/113296  
PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: 60/113605  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113621  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/115558  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115565  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115733  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/119549  
PRIOR FILING DATE: 1999-02-10  
PRIOR APPLICATION NUMBER: 60/123618  
PRIOR FILING DATE: 1999-03-10  
PRIOR APPLICATION NUMBER: 60/125259  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 60/125775  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/126773

;; PRIOR FILING DATE: 1999-03-29  
;; PRIOR APPLICATION NUMBER: 60/127887  
;; PRIOR FILING DATE: 1999-04-05  
;; PRIOR APPLICATION NUMBER: 60/130232  
;; PRIOR FILING DATE: 1999-04-21  
;; PRIOR APPLICATION NUMBER: 60/131022  
;; PRIOR FILING DATE: 1999-04-26  
;; PRIOR APPLICATION NUMBER: 60/131270  
;; PRIOR FILING DATE: 1999-04-27  
;; PRIOR APPLICATION NUMBER: 60/131291  
;; PRIOR FILING DATE: 1999-04-27  
;; PRIOR APPLICATION NUMBER: 60/131445  
;; PRIOR FILING DATE: 1999-04-28  
;; PRIOR APPLICATION NUMBER: 60/134287  
;; PRIOR FILING DATE: 1999-05-14  
;; PRIOR APPLICATION NUMBER: 60/140650  
;; PRIOR FILING DATE: 1999-06-22  
;; PRIOR APPLICATION NUMBER: 60/140723  
;; PRIOR FILING DATE: 1999-06-22  
;; PRIOR APPLICATION NUMBER: 60/141037  
;; PRIOR FILING DATE: 1999-06-23  
;; PRIOR APPLICATION NUMBER: 60/144758  
;; PRIOR FILING DATE: 1999-07-20  
;; PRIOR APPLICATION NUMBER: 60/145698  
;; PRIOR FILING DATE: 1999-07-26  
;; PRIOR APPLICATION NUMBER: 60/146222  
;; PRIOR FILING DATE: 1999-07-28  
;; PRIOR APPLICATION NUMBER: 60/146963  
;; PRIOR FILING DATE: 1999-08-03  
;; PRIOR APPLICATION NUMBER: 60/149320  
;; PRIOR FILING DATE: 1999-08-17  
;; PRIOR APPLICATION NUMBER: 60/149638  
;; PRIOR FILING DATE: 1999-08-17  
;; PRIOR APPLICATION NUMBER: 60/151733  
;; PRIOR FILING DATE: 1999-08-31  
;; PRIOR APPLICATION NUMBER: 60/164418  
;; PRIOR FILING DATE: 1999-11-09  
;; PRIOR APPLICATION NUMBER: 60/166361  
;; PRIOR FILING DATE: 1999-11-16  
;; PRIOR APPLICATION NUMBER: 60/169445  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169495  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e-02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 458

US-10-219-468-108  
; Sequence 108, Application US/10219468

; Publication No. US20030092888A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3530PIC34

;; CURRENT APPLICATION NUMBER: US/10/219,468

;; CURRENT FILING DATE: 2002-08-13

;; PRIOR APPLICATION NUMBER: 10/119,480

;; PRIOR FILING DATE: 2002-04-09

;; PRIOR APPLICATION NUMBER: 60/059113

;; PRIOR FILING DATE: 1997-09-17

;; PRIOR APPLICATION NUMBER: 60/062287

;; PRIOR FILING DATE: 1997-10-17

;; PRIOR APPLICATION NUMBER: 60/063549

;; PRIOR FILING DATE: 1997-10-28

;; PRIOR APPLICATION NUMBER: 60/064103

;; PRIOR FILING DATE: 1997-10-31

;; PRIOR APPLICATION NUMBER: 60/069873

;; PRIOR FILING DATE: 1997-12-17

;; PRIOR APPLICATION NUMBER: 60/078910

;; PRIOR FILING DATE: 1998-03-20

;; PRIOR APPLICATION NUMBER: 60/079294

;; PRIOR FILING DATE: 1998-03-25

;; PRIOR APPLICATION NUMBER: 60/079656

;; PRIOR FILING DATE: 1998-03-26

;; PRIOR APPLICATION NUMBER: 60/079728

;; PRIOR FILING DATE: 1998-03-27

;; Remaining prior application data removed - See File Wrapper or PALM.

;; NUMBER OF SEQ ID NOS: 246

;; SEQ ID NO 108

;; LENGTH: 135

;; TYPE: PRT

;; ORGANISM: Homo Sapien

;; US-10-219-468-108

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 459

US-10-219-478-108

; Sequence 108, Application US/10219478

; Publication No. US20030092889A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3530PIC30

; CURRENT APPLICATION NUMBER: US/10/219,478

; CURRENT FILING DATE: 2002-08-13

; PRIOR APPLICATION NUMBER: 10/119,480

; PRIOR FILING DATE: 2002-04-09

; PRIOR APPLICATION NUMBER: 60/059113

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/062287

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063549

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/064103

; PRIOR FILING DATE: 1997-10-31

; PRIOR APPLICATION NUMBER: 60/069873

; PRIOR FILING DATE: 1997-12-17

; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-478-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGVVXXXXXXXX 11  
| | | | | : : : : :  
Db 28 EGVVPGGGRSK 38

RESULT 460  
US-10-219-536-108  
; Sequence 108, Application US/10219536  
; Publication No. US20030092890A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P35301C67  
; CURRENT APPLICATION NUMBER: US/10/219,536  
; CURRENT FILING DATE: 2002-08-14  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-536-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGVVXXXXXXXX 11  
| | | | | : : : : :  
Db 28 EGVVPGGGRSK 38

RESULT 461  
US-10-174-575A-444  
; Sequence 444, Application US/10174575A  
; Publication No. US20030096351A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C35  
; CURRENT APPLICATION NUMBER: US/10/174,575A  
; CURRENT FILING DATE: 2002-06-18  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-174-575A-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGVVXXXXXXXX 11  
| | | | | : : : : :  
Db 28 EGVVPGGGRSK 38

RESULT 462  
US-10-179-520-444  
; Sequence 444, Application US/10179520  
; Publication No. US20030096353A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C41  
; CURRENT APPLICATION NUMBER: US/10/179,520  
; CURRENT FILING DATE: 2002-06-24  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-179-520-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

RESULT 463  
US-10-201-325-444  
; Sequence 444, Application US/10201325  
; Publication No. US20030096357A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C436  
; CURRENT APPLICATION NUMBER: US/10/201,325  
; CURRENT FILING DATE: 2002-07-22  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-201-325-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-201-325-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

RESULT 464  
US-10-202-941-444  
; Sequence 444, Application US/10202941  
; Publication No. US20030096358A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C484  
; CURRENT APPLICATION NUMBER: US/10/202,941  
; CURRENT FILING DATE: 2002-07-24  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-941-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

```
RESULT 465
US-10-205-910-444
; Sequence 444, Application US/10205910
; Publication No. US20030096359A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C511
; CURRENT APPLICATION NUMBER: US/10/205,910
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-910-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 466
US-10-219-072-108
; Sequence 108, Application US/10219072
; Publication No. US20030096959A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC59
; CURRENT APPLICATION NUMBER: US/10/219,470
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
```

```
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC45
; CURRENT APPLICATION NUMBER: US/10/219,072
; CURRENT FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-072-108
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38
```

```
RESULT 467
US-10-219-470-108
; Sequence 108, Application US/10219470
; Publication No. US20030096960A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC59
; CURRENT APPLICATION NUMBER: US/10/219,470
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
```



```
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-470-108
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38
```

## RESULT 468

```
US-10-219-474-108
; Sequence 108, Application US/10219474
; Publication No. US20030096961A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C36
; CURRENT APPLICATION NUMBER: US/10/219,474
; PRIOR FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
```

```
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-474-108
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38
```

## RESULT 469

```
US-10-219-524-108
; Sequence 108, Application US/10219524
; Publication No. US20030096962A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C37
; CURRENT APPLICATION NUMBER: US/10/219,524
; PRIOR FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-524-108
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38
```

## RESULT 470

US-10-219-528-108  
; Sequence 108, Application US/10219528  
; Publication No. US20030096963A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530PIC68  
; CURRENT APPLICATION NUMBER: US/10/219,528  
; PRIOR FILING DATE: 2002-08-14  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/081819  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/081955  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/082804  
; PRIOR FILING DATE: 1998-04-22  
; PRIOR APPLICATION NUMBER: 60/084441  
; PRIOR FILING DATE: 1998-05-06  
; PRIOR APPLICATION NUMBER: 60/085323  
; PRIOR FILING DATE: 1998-05-13  
; PRIOR APPLICATION NUMBER: 60/085579  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/086392  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: 60/089532  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089538  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089905  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/090472  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090557  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090691  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/095302  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/095318  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/095916  
; PRIOR FILING DATE: 1998-08-10  
; PRIOR APPLICATION NUMBER: 60/096146  
; PRIOR FILING DATE: 1998-08-11  
; PRIOR APPLICATION NUMBER: 60/096791  
; PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 60/097986  
; PRIOR FILING DATE: 1998-08-26  
; PRIOR APPLICATION NUMBER: 60/098544  
; PRIOR FILING DATE: 1998-08-31  
; PRIOR APPLICATION NUMBER: 60/099596  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: 60/099598  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: 60/099803  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099811  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099812  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099816  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/100038  
; PRIOR FILING DATE: 1998-09-11  
; PRIOR APPLICATION NUMBER: 60/100385  
; PRIOR FILING DATE: 1998-09-15  
; PRIOR APPLICATION NUMBER: 60/100390  
; PRIOR FILING DATE: 1998-09-15  
; PRIOR APPLICATION NUMBER: 60/100627  
; PRIOR FILING DATE: 1998-09-16  
; PRIOR APPLICATION NUMBER: 60/100848  
; PRIOR FILING DATE: 1998-09-18  
; PRIOR APPLICATION NUMBER: 60/100919  
; PRIOR FILING DATE: 1998-09-17  
; PRIOR APPLICATION NUMBER: 60/101477  
; PRIOR FILING DATE: 1998-09-23  
; PRIOR APPLICATION NUMBER: 60/101738  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101741  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101786  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: 60/101916  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101922  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/106178  
; PRIOR FILING DATE: 1998-10-28  
; PRIOR APPLICATION NUMBER: 60/106248  
; PRIOR FILING DATE: 1998-10-29  
; PRIOR APPLICATION NUMBER: 60/106464  
; PRIOR FILING DATE: 1998-10-30  
; PRIOR APPLICATION NUMBER: 60/106905  
; PRIOR FILING DATE: 1998-11-03  
; PRIOR APPLICATION NUMBER: 60/108787  
; PRIOR FILING DATE: 1998-11-17  
; PRIOR APPLICATION NUMBER: 60/108801  
; PRIOR FILING DATE: 1998-11-17  
; PRIOR APPLICATION NUMBER: 60/108849  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: 60/112422  
; PRIOR FILING DATE: 1998-12-15  
; PRIOR APPLICATION NUMBER: 60/113296  
; PRIOR FILING DATE: 1998-12-22  
; PRIOR APPLICATION NUMBER: 60/113605  
; PRIOR FILING DATE: 1998-12-23  
; PRIOR APPLICATION NUMBER: 60/113621  
; PRIOR FILING DATE: 1998-12-23  
; PRIOR APPLICATION NUMBER: 60/115558  
; PRIOR FILING DATE: 1999-01-12  
; PRIOR APPLICATION NUMBER: 60/115565

; PRIOR FILING DATE: 1999-01-12  
 ; PRIOR APPLICATION NUMBER: 60/115733  
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 ; PRIOR FILING DATE: 1999-12-07  
 ; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.08; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EEVVPXXXXX 11

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Db 28 EEVPGGGRSK 38

RESULT 471

US-10-227-880-108

; Sequence 108, Application us/10227880

; Publication No. US20030096964A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Desnoyers, Luc

; APPLICANT: Gerritsen, Mary  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stephan, Jean-Philippe F.  
 ; APPLICANT: Watanabe, Colin L.  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3530P1C74  
 ; CURRENT APPLICATION NUMBER: US/10/227.880  
 ; CURRENT FILING DATE: 2002-08-26  
 ; PRIOR FILING DATE: 2002-04-09  
 ; PRIOR APPLICATION NUMBER: 60/059113  
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 ; PRIOR FILING DATE: 1997-12-17  
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;; PRIOR FILING DATE: 1998-08-17  
;; PRIOR APPLICATION NUMBER: 60/097986  
;; PRIOR FILING DATE: 1998-08-26  
;; PRIOR APPLICATION NUMBER: 60/098544  
;; PRIOR FILING DATE: 1998-08-31  
;; PRIOR APPLICATION NUMBER: 60/099596  
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;; PRIOR FILING DATE: 1999-12-07  
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;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

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Db 28 EEVPPGGGRSK 38

RESULT 472

US-10-227-881-108  
; Sequence 108, Application US/10227881  
; Publication No. US20030096965A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.

APPLICANT: Watanabe, Colin L.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3530PIC80  
CURRENT APPLICATION NUMBER: US/10/227,881  
CURRENT FILING DATE: 2002-08-26  
PRIOR APPLICATION NUMBER: 10/119,480  
PRIOR FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: 60/059113  
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;  
; PRIOR FILING DATE: 1999-04-05  
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; PRIOR FILING DATE: 1999-12-07  
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

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Db 28 EEVVPGGGRSK 38

RESULT 473

US-10-227-882-108

; Sequence 108, Application US/10227882

; Publication No. US2003009696A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Desnoyers, Luc

; APPLICANT: Gerritsen, Mary

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Smith, Victoria

; APPLICANT: Stephan, Jean-Philippe F.

; APPLICANT: Watanabe, Colin L.

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3530P1C81

; CURRENT APPLICATION NUMBER: US/10/227.882

; CURRENT FILING DATE: 2002-08-26

;  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
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; PRIOR APPLICATION NUMBER: 60/062287  
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; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090691  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/095302  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/095318  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/095916  
; PRIOR FILING DATE: 1998-08-10  
; PRIOR APPLICATION NUMBER: 60/096146  
; PRIOR FILING DATE: 1998-08-11  
; PRIOR APPLICATION NUMBER: 60/096791  
; PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 60/097986  
; PRIOR FILING DATE: 1998-08-26  
; PRIOR APPLICATION NUMBER: 60/098544  
; PRIOR FILING DATE: 1998-08-31  
; PRIOR APPLICATION NUMBER: 60/099596  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: 60/099598  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: 60/099803  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099811  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099812

;  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099816  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/100038  
; PRIOR FILING DATE: 1998-09-11  
; PRIOR APPLICATION NUMBER: 60/100385  
; PRIOR FILING DATE: 1998-09-15  
; PRIOR APPLICATION NUMBER: 60/100390  
; PRIOR FILING DATE: 1998-09-15  
; PRIOR APPLICATION NUMBER: 60/100627  
; PRIOR FILING DATE: 1998-09-16  
; PRIOR APPLICATION NUMBER: 60/100848  
; PRIOR FILING DATE: 1998-09-18  
; PRIOR APPLICATION NUMBER: 60/100919  
; PRIOR FILING DATE: 1998-09-17  
; PRIOR APPLICATION NUMBER: 60/101477  
; PRIOR FILING DATE: 1998-09-23  
; PRIOR APPLICATION NUMBER: 60/101738  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101741  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101786  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: 60/101916  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101922  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/106178  
; PRIOR FILING DATE: 1998-10-28  
; PRIOR APPLICATION NUMBER: 60/106248  
; PRIOR FILING DATE: 1998-10-29  
; PRIOR APPLICATION NUMBER: 60/106464  
; PRIOR FILING DATE: 1998-10-30  
; PRIOR APPLICATION NUMBER: 60/106905  
; PRIOR FILING DATE: 1998-11-03  
; PRIOR APPLICATION NUMBER: 60/108787  
; PRIOR FILING DATE: 1998-11-17  
; PRIOR APPLICATION NUMBER: 60/108801  
; PRIOR FILING DATE: 1998-11-17  
; PRIOR APPLICATION NUMBER: 60/108849  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: 60/112422  
; PRIOR FILING DATE: 1998-12-15  
; PRIOR APPLICATION NUMBER: 60/113296  
; PRIOR FILING DATE: 1998-12-22  
; PRIOR APPLICATION NUMBER: 60/113605  
; PRIOR FILING DATE: 1998-12-23  
; PRIOR APPLICATION NUMBER: 60/113621  
; PRIOR FILING DATE: 1998-12-23  
; PRIOR APPLICATION NUMBER: 60/115558  
; PRIOR FILING DATE: 1999-01-12  
; PRIOR APPLICATION NUMBER: 60/115565  
; PRIOR FILING DATE: 1999-01-12  
; PRIOR APPLICATION NUMBER: 60/115733  
; PRIOR FILING DATE: 1999-01-12  
; PRIOR APPLICATION NUMBER: 60/119549  
; PRIOR FILING DATE: 1999-02-10  
; PRIOR APPLICATION NUMBER: 60/123618  
; PRIOR FILING DATE: 1999-03-10  
; PRIOR APPLICATION NUMBER: 60/125259  
; PRIOR FILING DATE: 1999-03-19  
; PRIOR APPLICATION NUMBER: 60/125775  
; PRIOR FILING DATE: 1999-03-23  
; PRIOR APPLICATION NUMBER: 60/126773  
; PRIOR FILING DATE: 1999-03-29  
; PRIOR APPLICATION NUMBER: 60/127887  
; PRIOR FILING DATE: 1999-04-05  
; PRIOR APPLICATION NUMBER: 60/130232  
; PRIOR FILING DATE: 1999-04-21  
; PRIOR APPLICATION NUMBER: 60/131022  
; PRIOR FILING DATE: 1999-04-26  
; PRIOR APPLICATION NUMBER: 60/131270  
; PRIOR FILING DATE: 1999-04-27

;  
; PRIOR APPLICATION NUMBER: 60/131291  
; PRIOR FILING DATE: 1999-04-27  
; PRIOR APPLICATION NUMBER: 60/131445  
; PRIOR FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 60/134287  
; PRIOR FILING DATE: 1999-05-14  
; PRIOR APPLICATION NUMBER: 60/140650  
; PRIOR FILING DATE: 1999-06-22  
; PRIOR APPLICATION NUMBER: 60/140723  
; PRIOR FILING DATE: 1999-06-22  
; PRIOR APPLICATION NUMBER: 60/141037  
; PRIOR FILING DATE: 1999-06-23  
; PRIOR APPLICATION NUMBER: 60/144758  
; PRIOR FILING DATE: 1999-07-20  
; PRIOR APPLICATION NUMBER: 60/145698  
; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: 60/146222  
; PRIOR FILING DATE: 1999-07-28  
; PRIOR APPLICATION NUMBER: 60/146963  
; PRIOR FILING DATE: 1999-08-03  
; PRIOR APPLICATION NUMBER: 60/149320  
; PRIOR FILING DATE: 1999-08-17  
; PRIOR APPLICATION NUMBER: 60/149638  
; PRIOR FILING DATE: 1999-08-17  
; PRIOR APPLICATION NUMBER: 60/151733  
; PRIOR FILING DATE: 1999-08-31  
; PRIOR APPLICATION NUMBER: 60/164418  
; PRIOR FILING DATE: 1999-11-09  
; PRIOR APPLICATION NUMBER: 60/166361  
; PRIOR FILING DATE: 1999-11-16  
; PRIOR APPLICATION NUMBER: 60/169445  
; PRIOR FILING DATE: 1999-12-07  
; PRIOR APPLICATION NUMBER: 60/169495  
; PRIOR FILING DATE: 1999-12-07  
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 474

US-10-230-436-108  
; Sequence 108, Application US/10230436  
; Publication No. US20030096967A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C97  
; CURRENT APPLICATION NUMBER: US/10/230,436  
; CURRENT FILING DATE: 2002-08-28  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549

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; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-436-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38
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RESULT 475
US-10-232-223-108
; Sequence 108, Application US/10232223
; Publication No. US20030096968A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C102
; CURRENT APPLICATION NUMBER: US/10/232,223
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-436-108
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38
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RESULT 475
US-10-232-223-108
; Sequence 108, Application US/10232223
; Publication No. US20030096968A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C102
; CURRENT APPLICATION NUMBER: US/10/232,223
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
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; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-223-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38
```

```
RESULT 476
US-10-232-225-108
; Sequence 108, Application US/10232225
; Publication No. US20030096969A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C107
; CURRENT APPLICATION NUMBER: US/10/232,225
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-225-108
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38
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```

; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C105
; CURRENT APPLICATION NUMBER: US/10/232,229
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-229-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred.No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0

QY      1 EEVVPXXXXX 11
        |||||:|:|:|:|:|:|
Db      28 EEVVPGGGRSK 38

RESULT 479
US-10-232-234-108
; Sequence 108, Application US/10232234
; Publication No. US2003009672A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C106
; CURRENT APPLICATION NUMBER: US/10/232,234
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-227-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred.No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
        |||||:|:|:|:|:|:|
Db      28 EEVVPGGGRSK 38

RESULT 478
US-10-232-229-108
; Sequence 108, Application US/10232229
; Publication No. US2003009671A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.

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; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C105
; CURRENT APPLICATION NUMBER: US/10/232,229
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-229-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred.No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0

QY      1 EEVVPXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38

RESULT 479
US-10-232-234-108
; Sequence 108, Application US/10232234
; Publication No. US2003009672A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C106
; CURRENT APPLICATION NUMBER: US/10/232,234
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103

; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C105
; CURRENT APPLICATION NUMBER: US/10/232,229
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103

; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C109
; CURRENT APPLICATION NUMBER: US/10/232,227
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-227-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred.No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
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Db      28 EEVVPGGGRSK 38

RESULT 478
US-10-232-229-108
; Sequence 108, Application US/10232229
; Publication No. US2003009671A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.

```

; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135

; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-232-234-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e-02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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Db 28 EEVVPGGGRSK 38

## RESULT 480

US-10-233-205-108  
; Sequence 108, Application US/10233205  
; Publication No. US20030096362A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P2530P1C115  
; CURRENT APPLICATION NUMBER: US/10/233,205  
; CURRENT FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
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; PRIOR FILING DATE: 1997-10-28  
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; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
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; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135

; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-233-205-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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Db 28 EEVVPGGGRSK 38

## RESULT 481

US-09-989-722-359  
; Sequence 359, Application US/09989722  
; Patent No. US20020072067A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC63  
; CURRENT APPLICATION NUMBER: US/09/989,722  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
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; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
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; PRIOR FILING DATE: 1998-05-07  
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; PRIOR APPLICATION NUMBER: 60/087609  
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; PRIOR APPLICATION NUMBER: 60/087759  
; PRIOR FILING DATE: 1998-06-02

1 PRIOR APPLICATION NUMBER: 60/087827  
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6 PRIOR FILING DATE: 1998-06-04  
7 PRIOR APPLICATION NUMBER: 60/088026  
8 PRIOR FILING DATE: 1998-06-04  
9 PRIOR APPLICATION NUMBER: 60/088028  
10 PRIOR FILING DATE: 1998-06-04  
11 PRIOR APPLICATION NUMBER: 60/088029  
12 PRIOR FILING DATE: 1998-06-04  
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14 PRIOR FILING DATE: 1998-06-04  
15 PRIOR APPLICATION NUMBER: 60/088033  
16 PRIOR FILING DATE: 1998-06-04  
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21 PRIOR APPLICATION NUMBER: 60/088202  
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105 PRIOR APPLICATION NUMBER: 60/090542  
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124 PRIOR FILING DATE: 1998-06-26  
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128 PRIOR FILING DATE: 1998-07-02  
129 PRIOR APPLICATION NUMBER: 60/091544  
130 PRIOR FILING DATE: 1998-07-01  
131 PRIOR APPLICATION NUMBER: 60/091519  
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134 PRIOR FILING DATE: 1998-07-02  
135 PRIOR APPLICATION NUMBER: 60/091633  
136 PRIOR FILING DATE: 1998-07-02  
137 PRIOR APPLICATION NUMBER: 60/091978  
138 PRIOR FILING DATE: 1998-07-07  
139 PRIOR APPLICATION NUMBER: 60/091982  
140 PRIOR FILING DATE: 1998-07-07  
141 PRIOR APPLICATION NUMBER: 60/092182  
142 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 10; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 482

US-09-989-723-359  
; Sequence 359, Application US/09989723  
; Patent No. US20020072092A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C62  
; CURRENT APPLICATION NUMBER: US/09/989,723  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
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; PRIOR FILING DATE: 1998-03-20  
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; PRIOR APPLICATION NUMBER: 60/084600  
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; PRIOR FILING DATE: 1998-06-04  
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;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 10; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e-02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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Db 28 EEVVPGGGRSK 38

RESULT 483

US-09-989-279-359  
; Sequence 359, Application US/09989279  
; Patent No. US20020072496A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC56  
; CURRENT APPLICATION NUMBER: US/09/989,279  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
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; PRIOR APPLICATION NUMBER: 60/065186  
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Query Match 100.0%; Score 31; DB 10; Length 135;  
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; Sequence 359, Application US/09989727  
; Patent No. US20020072497A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
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APPLICANT: Godowski, Paul J.  
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APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC65  
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; APPLICANT: Askenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Gerber, Hanspeter
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; APPLICANT: Grimaldi, J Christopher
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; APPLICANT: Kljavin, Ivar J.
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; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.

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APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC57  
CURRENT APPLICATION NUMBER: US/09/989,732  
CURRENT FILING DATE: 2001-11-19  
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;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 10; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e-02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXX 11

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Db 28 EEVVPVGGGRSK 38

#### RESULT 487

US-09-991-073-359

; Sequence 359, Application US/09991073

; Patent No. US20020127576A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Geritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kijavlin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; FILE REFERENCE: P2730P1C15  
;; CURRENT APPLICATION NUMBER: US/09/991,073  
;; CURRENT FILING DATE: 2001-11-14  
;; PRIOR APPLICATION NUMBER: 60/049787  
;; PRIOR FILING DATE: 1997-06-16  
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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 10; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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Db 28 EEVVPGGGRSK 38

## RESULT 488

US-09-990-442-359  
; Sequence 359, Application US/09990442  
; Patent No. US20020132252A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Geritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC8  
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; CURRENT FILING DATE: 2001-11-14  
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;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
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;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 10; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e-02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 28 EEVVPGGGRSK 38

#### RESULT 489

US-09-991-163-359

Sequence 359, Application US/09991163

Patent No. US20020132253A1

#### GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Botstein, David  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Eaton, Dan L.  
;; APPLICANT: Ferrara, Napoleone  
;; APPLICANT: Fong, Sherman  
;; APPLICANT: Gerber, Hanspeter  
;; APPLICANT: Gerritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Grimaldi, J. Christopher  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Kijavlin, Ivar J.  
;; APPLICANT: Napier, Mary A.  
;; APPLICANT: Pan, James  
;; APPLICANT: Paoni, Nicholas F.  
;; APPLICANT: Roy, Margaret Ann  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; TITLE OF INVENTION: Acids Encoding the Same  
;; FILE REFERENCE: P2730P1C17  
;; CURRENT APPLICATION NUMBER: US/09/991.163  
;; CURRENT FILING DATE: 2001-11-14  
;; PRIOR APPLICATION NUMBER: 60/049787  
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Query Match 100.0%; Score 31; DB 10; Length 135;  
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; Patent No. US20020137075A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
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; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
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; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
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Query Match      100.08; Score 31; DB 10; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e-02;
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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
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; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
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: APPLICANT: Botstein, David
: APPLICANT: Desnoyers, Luc
: APPLICANT: Eaton, Dan L.
: APPLICANT: Ferrara, Napoleone
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: APPLICANT: Paoni, Nicholas F.
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: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K.
: APPLICANT: Williams, P. Mickey
: APPLICANT: Wood, William I.
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: Secreted and Transmitted
: TITLE OF INVENTION: Acids Encoding tRNA
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## Polypeptides and Nucleic

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/ PRIOR FILING DATE: 1998-07-02
/ PRIOR APPLICATION NUMBER: 60/091544
/ PRIOR FILING DATE: 1998-07-01
/ PRIOR APPLICATION NUMBER: 60/091519
/ PRIOR FILING DATE: 1998-07-02
/ PRIOR APPLICATION NUMBER: 60/091626
/ PRIOR FILING DATE: 1998-07-02
/ PRIOR APPLICATION NUMBER: 60/091633
/ PRIOR FILING DATE: 1998-07-02
/ PRIOR APPLICATION NUMBER: 60/091978
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/091982
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/092182
/ PRIOR FILING DATE: 1998-07-09

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Query Match 100.0%; Score 31; DB 10; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

DB 28 EEVVPGGGRSK 38

## RESULT 493

US-10-052-586-444

; Sequence 444, Application US/10052586

; Patent No. US20020127584A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RIC1

; CURRENT APPLICATION NUMBER: US/10/052,586

; CURRENT FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063564

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063734

; PRIOR FILING DATE: 1997-10-29

; PRIOR APPLICATION NUMBER: 60/063870

; PRIOR FILING DATE: 1997-10-31

; PRIOR APPLICATION NUMBER: 60/064103

; PRIOR FILING DATE: 1997-10-31

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066120

; PRIOR FILING DATE: 1997-11-21

; PRIOR APPLICATION NUMBER: 60/066466

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/066772

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/069335

; PRIOR FILING DATE: 1997-12-11

; PRIOR APPLICATION NUMBER: 60/069425

; PRIOR FILING DATE: 1997-12-12

; PRIOR APPLICATION NUMBER: 60/069870

; PRIOR FILING DATE: 1997-12-17

; PRIOR APPLICATION NUMBER: 60/068017

; PRIOR FILING DATE: 1997-12-18

; PRIOR APPLICATION NUMBER: 60/077450

; PRIOR FILING DATE: 1998-03-10

; PRIOR APPLICATION NUMBER: 60/077632

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077649

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/078886

; PRIOR FILING DATE: 1998-03-20

; PRIOR APPLICATION NUMBER: 60/078939  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079664  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/079786  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/080107  
; PRIOR FILING DATE: 1998-03-31  
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; PRIOR FILING DATE: 1998-03-31  
; PRIOR APPLICATION NUMBER: 60/080327  
; PRIOR FILING DATE: 1998-04-01  
; PRIOR APPLICATION NUMBER: 60/080333  
; PRIOR FILING DATE: 1998-04-01  
; PRIOR APPLICATION NUMBER: 60/081049  
; PRIOR FILING DATE: 1998-04-08  
; PRIOR APPLICATION NUMBER: 60/081070  
; PRIOR FILING DATE: 1998-04-08  
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; PRIOR APPLICATION NUMBER: 60/082569  
; PRIOR FILING DATE: 1998-04-21  
; PRIOR APPLICATION NUMBER: 60/082704  
; PRIOR FILING DATE: 1998-04-22  
; PRIOR APPLICATION NUMBER: 60/082797  
; PRIOR FILING DATE: 1998-04-22  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/083495  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/083496  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/083499  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/083559  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/084366  
; PRIOR FILING DATE: 1998-05-05  
; PRIOR APPLICATION NUMBER: 60/084414  
; PRIOR FILING DATE: 1998-05-06  
; PRIOR APPLICATION NUMBER: 60/084639  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/084640  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/084643  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/085573  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/085579  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/085580  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/085582  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/085700  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/086023  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/086392  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: 60/086486  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: 60/087098  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/087208  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/087609  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087759

;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
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;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
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;; PRIOR FILING DATE: 1998-06-05  
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;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088722  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088740  
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;; PRIOR FILING DATE: 1998-06-10  
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;; PRIOR FILING DATE: 1998-06-10  
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;; PRIOR FILING DATE: 1998-06-11  
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;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089908

Query Match 100.0%; Score 31; DB 12; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

RESULT 494  
US-09-864-761-33694  
; Sequence 33694, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:

;; APPLICANT: Penn, Sharron G.  
;; APPLICANT: Rank, David R.  
;; APPLICANT: Hanzel, David K.  
;; APPLICANT: Chen, Wensheng  
;; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL  
;; FILE REFERENCE: Aeomica-X-1  
;; CURRENT APPLICATION NUMBER: US/09/864,761  
;; CURRENT FILING DATE: 2001-05-23  
;; PRIOR APPLICATION NUMBER: US 60/180,312  
;; PRIOR FILING DATE: 2000-02-04  
;; PRIOR APPLICATION NUMBER: US 60/207,456  
;; PRIOR FILING DATE: 2000-05-26  
;; PRIOR APPLICATION NUMBER: US 09/632,366  
;; PRIOR FILING DATE: 2000-08-03  
;; PRIOR APPLICATION NUMBER: GB 24263.6  
;; PRIOR FILING DATE: 2000-10-04  
;; PRIOR APPLICATION NUMBER: US 60/236,359  
;; PRIOR FILING DATE: 2000-09-27  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00662  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00661  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 60/234,687  
;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 09/608,408  
;; PRIOR FILING DATE: 2000-06-30  
;; PRIOR APPLICATION NUMBER: US 09/774,203  
;; PRIOR FILING DATE: 2001-01-29  
;; NUMBER OF SEQ ID NOS: 49117  
;; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
;; SEQ ID NO 33694  
;; LENGTH: 178  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; OTHER INFORMATION: MAP TO AC007842.1  
;; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.6  
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.65  
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.65  
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9  
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.8  
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2  
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.84  
;; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.61  
;; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.9  
;; OTHER INFORMATION: EST HUMAN HIT: BE294466.1, EVALUATE 2.00e-11  
;; OTHER INFORMATION: SWISSPROT HIT: Q28983, EVALUATE 5.00e-20  
;; OTHER INFORMATION: EST\_HUMAN HIT: BF341070.1, EVALUATE 3.00e-20  
US-09-864-761-33694

Query Match 100.0%; Score 31; DB 10; Length 178;  
Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
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Db 90 EEVVPDSPCLP 100

## RESULT 495

US-09-864-761-46479  
; Sequence 46479, Application US/09864761  
; Patent No. US20020048763A1

## ; GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; FILE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

; FILE REFERENCE: Aecomica-x-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; PRIOR FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687

; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: US 09/774,203

; PRIOR FILING DATE: 2001-01-29

; NUMBER OF SEQ ID NOS: 49117

; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1

; SEQ ID NO 46479

; LENGTH: 178

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; OTHER INFORMATION: MAP TO AC007842.1

; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.95

; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.4

; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2

; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.71

; OTHER INFORMATION: EXPRESSED IN B474, SIGNAL = 2.4

; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.59

; OTHER INFORMATION: SWISSPROT HIT: Q28983, EVALUE 1.00e-19

; OTHER INFORMATION: EST\_HUMAN HIT: BF341070.1, EVALUE 1.00e-19

; OTHER INFORMATION: EST\_HUMAN HIT: BE294466.1, EVALUE 1.00e-11

US-09-864-761-46479

Query Match

100.0%; Score 31; DB 10; Length 178;

Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

|||||:|:|:|

Db 90 EEVVPDSPCLP 100

## RESULT 496

US-09-963-339-2

; Sequence 2, Application US/09963339

; Publication No. US20030049700A1

; GENERAL INFORMATION:

; APPLICANT: Bandaru, Rajasekhar

; TITLE OF INVENTION: 22108 AND 47916, NOVEL HUMAN THIOREDOLIN

; FILE REFERENCE: 10448-090001

; CURRENT APPLICATION NUMBER: US/09/963,339

; CURRENT FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: 60/235,049

; PRIOR FILING DATE: 2000-09-25

; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 454

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-963-339-2

Query Match 100.0%; Score 31; DB 9; Length 454;

Best Local Similarity 45.5%; Pred. No. 1.1e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

|||||:|:|:|

Db 185 EEVPEYVTLK 195

## RESULT 497

US-09-801-368-398

; Sequence 398, Application US/09801368

; Patent No. US20020128250A1

; GENERAL INFORMATION:

; APPLICANT: Busby, Robert

; APPLICANT: Cali, Brian

; APPLICANT: Hecht, Peter

; APPLICANT: Holtzman, Doug

; APPLICANT: Madden, Kevin

; APPLICANT: Maxon, Mary

; APPLICANT: Milne, Todd

; APPLICANT: No. US20020128250Alman, Thea

; APPLICANT: Royer, John

; APPLICANT: Salama, Sofie

; APPLICANT: Sherman, Amir

; APPLICANT: Silva, Jeff

; APPLICANT: Summers, Eric

; TITLE OF INVENTION: Methods for Improving Secondary Metabolite Production in Fung

; FILE REFERENCE: 109272.147

; CURRENT APPLICATION NUMBER: US/09/801,368

; CURRENT FILING DATE: 2001-03-07

; PRIOR APPLICATION NUMBER: US 09/487,558

; PRIOR FILING DATE: 2000-01-19

; PRIOR APPLICATION NUMBER: US 60/160,587

; PRIOR FILING DATE: 1999-10-20

; NUMBER OF SEQ ID NOS: 440

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 398

; LENGTH: 486

; TYPE: PRT

; ORGANISM: Saccharomyces cerevisiae

US-09-801-368-398

Query Match

100.0%; Score 31; DB 10; Length 486;

Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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DB 393 EEVPRSATVT 403

## RESULT 498

US-10-160-501-34  
; Sequence 34, Application US/10160501  
; Publication No. US20030059919A1  
; GENERAL INFORMATION:  
; APPLICANT: Meyers, Rachel E.  
; APPLICANT: Rudolph-Owen, Laura A.  
; APPLICANT: Kapeller-Libermann, Rosana  
; TITLE OF INVENTION: NOVEL HUMAN 39228, 21956, 25856, 22244, 8701, 32263,  
; TITLE OF INVENTION: 50250, 55158, 47765, 62088, 50566, AND 48118  
; TITLE OF INVENTION: MOLECULES AND USES THEREOF  
; FILE REFERENCE: MNI-250  
; CURRENT APPLICATION NUMBER: US/10/160,501  
; CURRENT FILING DATE: 2002-05-30  
; PRIOR APPLICATION NUMBER: US 09/838,573  
; PRIOR FILING DATE: 2002-04-18  
; PRIOR APPLICATION NUMBER: US 60/197,747  
; PRIOR FILING DATE: 2000-04-18  
; PRIOR APPLICATION NUMBER: US 09/870,133  
; PRIOR FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: US 60/207,649  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/870,130  
; PRIOR FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: US 60/207,640  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/862,535  
; PRIOR FILING DATE: 2001-05-21  
; PRIOR APPLICATION NUMBER: US 60/205,961  
; PRIOR FILING DATE: 2000-05-19  
; PRIOR APPLICATION NUMBER: US 09/870,383  
; PRIOR FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: US 60/207,506  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/860,821  
; PRIOR FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: US 60/205,449  
; PRIOR FILING DATE: 2000-05-19  
; PRIOR APPLICATION NUMBER: US 09/870,110  
; PRIOR FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: US 60/207,650  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/907,509  
; PRIOR FILING DATE: 2001-07-16  
; PRIOR APPLICATION NUMBER: US 60/218,385  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: US 09/945,327  
; PRIOR FILING DATE: 2001-08-31  
; PRIOR APPLICATION NUMBER: US 60/229,425  
; PRIOR FILING DATE: 2000-08-31  
; PRIOR APPLICATION NUMBER: US 60/318,581  
; PRIOR FILING DATE: 2001-09-10  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: FastSeq Version 4.0  
; SEQ ID NO 34  
; LENGTH: 604  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-160-501-34

Query Match 100.0%; Score 31; DB 9; Length 604;  
Best Local Similarity 45.5%; Pred. No. 1.5e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 592 EEVPMGMGVQV 602  
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Db 592 EEVPMGMGVQV 602

## RESULT 499

US-09-907-509-2  
; Sequence 2, Application US/09907509  
; Patent No. US20020090705A1  
; GENERAL INFORMATION:  
; APPLICANT: Meyers, Rachel  
; TITLE OF INVENTION: 62088, A NOVEL HUMAN NUCLEOSIDE  
; TITLE OF INVENTION: PHOSPHATASE FAMILY MEMBER AND USES THEREOF  
; FILE REFERENCE: MNI-177  
; CURRENT APPLICATION NUMBER: US/09/907,509  
; CURRENT FILING DATE: 2001-07-16  
; PRIOR APPLICATION NUMBER: 60/218385  
; PRIOR FILING DATE: 2000-07-14  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 604  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-907-509-2

Query Match 100.0%; Score 31; DB 10; Length 604;  
Best Local Similarity 45.5%; Pred. No. 1.5e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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DB 592 EEVPMGMGVQV 602

## RESULT 500

US-09-820-843A-26  
; Sequence 26, Application US/09820843A  
; Publication No. US20030039963A1  
; GENERAL INFORMATION:  
; APPLICANT: Council of Scientific and Industrial Research  
; TITLE OF INVENTION: A COMPUTATIONAL METHOD FOR THE IDENTIFICATION OF CANDIDATE P  
; FILE REFERENCE: Q63915  
; CURRENT APPLICATION NUMBER: US/09/820,843A  
; CURRENT FILING DATE: 2001-03-30  
; NUMBER OF SEQ ID NOS: 118  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 26  
; LENGTH: 653  
; TYPE: PRT  
; ORGANISM: Vibrio cholerae  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: iron(III) ABC transporter, permease protein  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: gi|9654609  
US-09-820-843A-26

Query Match 100.0%; Score 31; DB 9; Length 653;  
Best Local Similarity 45.5%; Pred. No. 1.7e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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